aDigitaLife

for your Digital Life®

SERVICING THE AV INDUSTRY FOR 10 YEARS OF SERVICE 2003 - 2013

Audio Visual Catalogue

aDigitaLife

for your Digital Life®

Hi and welcome to our latest catalogue. This year you will find new and wonderful technology to suit most Audio/Visual application's. As we progress with the Digital TV Switchover you will see we have some exciting and new products not yet seen in Australia. Our products are sourced from leading brands around the world and are backed with our usual warranty and our excellent after sales service.

We offer full design services for MATV, Digital Signage, Public Address and Home theatre. Our products can cover industrial, commercial and domestic purposes. If your seeking advice, don't hesitate to call us.

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ANTENNA 01-04
UHF / VHF / FM / Combination
DTV / Digital Radio
Log-Periodic / Domes
Hardware / Masting

TELEVISION
Masthead Amplifiers
Low Gain Masthead Amplifiers
Mast Pre-Amps / Masthead Amps / Mixers
Power Supplies / Line Amplifiers
Splitters
Taps

MATV 05-10
Distribution Amplifiers
Genius Series Programmable Headend
Single Channel Amplifiers
Intro. Fte Digital 310 Series Headends
Transmodulators
IPTV Digital Headend Receivers
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for your Digital Life®

Introducing Adigitalife Distribution Pty Ltd

Here at Adigitalife Dsitribution we celebrate 10 years of business this year. We are excited about it, as it shows we've been doing something right. Over the years we have kept the same philosphy of our business and that's a great product at a fair price. Nothing has changed.

This years catalogue has many new products and new diagrams to help you the installer, tradesman or resller, understand the product better.

We thankyou for your support over the last 10 years and we look forward to servicing you for another 10 years

Jason Racic
General Manager

aDigitaLife
for your Digital Life®

SERVICING THE AV INDUSTRY FOR 10 YEARS OF SERVICE 2003 - 2013

Industries Serviced

- Antenna
- MATV
- Home Theatre
- Pro Audio
- AV Distribution

2005
GOLD COAST BUSINESS EXCELLENCE AWARDS

Starlight Children's Foundation Supporter

AC3 - New System of Digital Audio Coding. It is a transmission with a Very High Quality, like the Dolby Digital.

Analogue is a type of signal that works by transmitting sounds and pictures as a continuous wave. Analogue technology is out of date and is being replaced worldwide by digital.

BER (Bit Error Rate) - It is the relation between the error bits that we receive and the total broadcast bits.

CAM - Conditional Access Module. It is a module to be inserted into the slots integrated into the receivers which are not provided with the decoder inside.

CI (Common Interface) - The Common Interface can be used for pay to view TV; A module is used to interface between the pay-to-view card and the TV/device. This allows manufacturers to install a single (common) interface into their devices rather than many. It is a similar idea to USB.

COFDM - Coded Orthogonal Frequency Division Multiplexing. Modulation Standard used for transmitting Digital Terrestrial Television.

Digital switchover is the point at which the analog signal is switched off in a region and replaced by digital signals only.

Digital TV recorder is a set-top box that can record digital TV.

DiSEqC - Digital Sequence Equipment Control. System for controlling satellite equipment.

DVB - Digital Video Broadcasting. Group of European regulations to broadcast Digital TV signals.

DVB-S / DVB-T / DVB-C - It is the European regulation to transmit Digital TV through Satellite, Terrestrial and Cable. "S" means Satellite, "T" means Terrestrial and "C" means Cable.

EIRP - Equivalend Isotropic Radiated Power. It is the power radiated by the antenna, which has as reference, one isotropic point. It is the energy of a Geostationary Satellite. It is Emitter Power related to the Gain of the Antenna in reception.

Electronic program guide (EPG) is an electronic version of the printed television program guide.

FEC - Forward Error Correction, it indicates the relation between the bits of real information and the total broadcasted bits, one FEC of 3/4 means that for each 4 broadcast bits, 3 are bits of information and 1 of redundance (protection).

High definition (HD) is an enhancement of digital TV, which refers to a higher quality picture and allows you to receive all free-to-air, SD channels and HD channels. HD is sometimes shown as 720p-1080p, which refers to the screen resolution.

I.F. - Intermediate Frequency. It is the signal sent by the LNB to the Satellite Receiver, whose range of frequencies varies between 950MHz up to 1.450 MHz (C Band) and between 950 MHz and los 2150 MHz (Ku Band).

L.O. - Local Oscillator. It is an electronic circuit which generates one frequency for carrying out the conversion of a Satellite Signal to a signal with a lower frequency (IF), in order to make the receivers work.

MCPC - Multiple Channel Per Carrier, in a Satellite transponder there are different TV channels (up to 8). The symbol rates are between 20 and 30 Mbauds/s (milion of symbols per second).

MP3 - Compression Standard for Audio.

MPEG4 - Compression Standard for Pictures. Destined for HDTV.

Noise Figure (N.F.) - The Noise Figure is expressed in deciBels (dB), and it means the quantity of noise in the signal.

PCMCIA "Slot" - It is a kind of peripherical connection which comes from the Computer Equipment. It is used in the Digital Receivers, to be connected with an external CAM.

PID - Packet Identifier, it is used to directly programme one TV channel and its Audio into one Transponder.

QAM - Quadrature Amplitude Modulation. Modulation used in the transmission of Digital Cable signals. There are different versions depending on the number of bits/symbol: 64 QAM. 128 QAM, 256 QAM, etc.

QPSK - Quadrature Phase Shift Keying. Modulation used to transmit Digital Satellite TV Signals.

Resolution refers to the number of dots or pixels that make up the picture on the screen.

RS232 - Standard which describes the type of connector used to transfer the data at Low Speed, usually between 2 PC.

SCPC - Single Channel Per Carrier, in one Satellite transponder, the symbol rates are low.

Set top box is a device that allows an analog TV to receive and show digital content.

Spectrum or broadcast space is the space or frequencies used to transmit television, radio and other forms of electronic communication.

SPDIF - Sony-Philips Digital Interface. It is one standard for the Audio transfer. It is usually presented through an optical / toslink connector.

Standard definition (SD) is a format of digital television that allows pictures to be received in widescreen format. SD has slightly less resolution or picture quality than HD and is sometimes referred to as 576i or 576p. With SD you get all the analog channels you currently receive, plus all the new free-to-air channels except the HD ones.

Symbol Rate - Is the quantity of Symbols per second that we receive. In a QPSK modulation, each symbol is equivalent to 2 bits (in 64-QAMCATV each symbol is 6 bits).

Universal LNB - It is a variation of the LNB, whose particular feature is to cover the whole band Ku. It allows the selection of the polarity switching, and it includes 2 L.O.

Widescreen digital television has a different aspect ratio (ratio of width to height) to traditional analog television. The aspect ratio of widescreen is 16:9, while analog uses a 4:3 aspect ratio.

Type	Switchover Area	Major centres	Window
VIC	Mildura / Sunraysia	Mildura	1 January – 30 June 2010
SA	Broken Hill	Broken Hill	1 July – 31 December 2010
SA	Riverland	Renmark and Loxton	1 July – 31 December 2010
SA	Mt Gambier / South East South Australia	Mt Gambier, Naracoorte and Bordertown	1 July – 31 December 2010
SA	Spencer Gulf	Port Lincoln, Whyalla, Port Augusta	1 July – 31 December 2010
VIC	Gippsland	Traralgon, Bairnsdale and Mallacoota	1 January – 30 June 2011
VIC	North Central Victoria	Bendigo and Swan Hill	1 January – 30 June 2011
VIC	South West Victoria	Ballarat, Warrnambool and Horsham	1 January – 30 June 2011
VIC	Goulburn Valley / Upper Murray	Albury/Wodonga, Wangaratta and Shepparton	1 January – 30 June 2011
QLD	Wide Bay	Hervey Bay, Bundaberg and Maryborough	1 July – 31 December 2011
QLD	Capricornia	Rockhampton, Emerald and Yeppoon	1 July – 31 December 2011
QLD	Queensland Central Coast & Whitsundays	Mackay, Proserpine and Bowen	1 July – 31 December 2011
QLD	Darling Downs	Toowoomba, Warwick and Dalby	1 July – 31 December 2011
QLD	North Queensland	Townsville, Ayr and Charters Towers	1 July – 31 December 2011
QLD	Far North Queensland	Cairns, Port Douglas and Innisfail	1 July – 31 December 2011
NSW	Griffith / Murrumbidgee Irrigation Area	Griffith and Hay	1 January – 30 June 2012
NSW	South West Slopes & Eastern Riverina	Wagga Wagga and Gundagai	1 January – 30 June 2012
NSW	Illawarra and the South Coast	Wollongong, Ulladulla and Eden	1 January – 30 June 2012
NSW	Central Tablelands & Central Western Slopes	Dubbo, Orange and Mudgee	1 January – 30 June 2012
NSW	ACT & Southern Tablelands	Canberra, Thredbo and Cooma	1 January – 30 June 2012
NSW	North West Slopes & Plains	Tamworth, Armidale and Inverell	1 July – 31 December 2012
NSW	Richmond / Tweed	Byron Bay, Tenterfield and Lismore	1 July – 31 December 2012
NSW	Northern Rivers	Coffs Harbour, Forster and Grafton	1 July – 31 December 2012
NSW	Hunter	Newcastle, Port Stephens	1 July – 31 December 2012
Metro	Tasmania	Hobart, Launceston and King Island	1 January – 30 June 2013
Metro	Perth	Perth	1 January – 30 June 2013
Metro	Brisbane	Brisbane, Gold Coast and Noosa	1 January – 30 June 2013
Metro	Melbourne	Melbourne	1 July – 31 December 2013
Metro	Adelaide	Adelaide	1 July – 31 December 2013
Metro	Sydney	Sydney and Gosford	1 July – 31 December 2013
Metro	Darwin	Darwin	1 July – 31 December 2013
Remote	Remote Central & Eastern Australia	Alice Springs and Mt Isa	1 July – 31 December 2013
Remote	Regional & Remote Western Australia	Kalgoorlie, Broome and Bunbury	1 July – 31 December 2013

SWITCHED OFF

Australian TV Channel Plan

	Band	Channel Number	Analogue Vision Carrier Mhz	Sound Carrier Mhz	Limits Mhz	DTV Center Frequency
Band	VHF 1	0	46.25	51.75	45 - 52	48.5
		1	57.25	62.75	56 - 63	59.5
		2	64.25	69.75	63 - 70	66.5
		3	86.25	91.75	85 - 92	88.5
		4	95.25	100.75	94 - 101	97.5
		5	102.25	107.75	101 - 108	104.5
		5A	138.25	143.75	137 - 144	140.5
Band	VHF 3	6	175.25	180.75	174 - 181	177.5
		7	182.25	187.75	181 - 188	184.5
		8	189.25	194.75	188 - 195	191.5
		9	196.25	201.75	195 - 202	198.5
		9A	203.25	208.75	202 - 209	205.5
		10old	209.25	214.75	208 - 215	211.5
		10new	210.25	215.75	209 - 216	212.5
		11old	216.25	221.75	215 - 222	218.5
		11new	217.25	222.75	216 - 223	219.5
		12	224.25	229.75	223 - 230	226.5
Band	UHF 4	28	527.25	532.75	526 - 533	529.5
		29	534.25	539.75	533 - 540	536.5
		30	541.25	546.75	540 - 547	543.5
		31	548.25	553.75	547 - 554	550.5
		32	555.25	560.75	554 - 561	557.5
		33	562.25	567.75	561 - 568	564.5
		34	569.25	574.75	568 - 575	571.5
		35	576.25	581.75	575 - 582	578.5
Band	UHF 5	36	583.25	588.75	582 - 589	585.5
		37	590.25	595.75	589 - 596	592.5
		38	597.25	602.75	596 - 603	599.5
		39	604.25	609.75	603 - 610	606.5
		40	611.25	616.75	610 - 617	613.5
		41	618.25	623.75	617 - 624	620.5
		42	625.25	630.75	624 - 631	627.5
		43	632.25	637.75	631 - 638	634.5
		44	639.25	644.75	638 - 645	641.5
		45	646.25	651.75	645 - 652	648.5
		46	653.25	658.75	652 - 659	655.5
		47	660.25	665.75	659 - 666	662.5
		48	667.25	672.75	666 - 673	669.5
		49	674.25	679.75	673 - 680	676.5
		50	681.25	686.75	680 - 687	683.5
		51	688.25	693.75	687 - 694	690.5
		52	695.25	700.75	694 - 701	697.5
		53	702.25	707.75	701 - 708	704.5
		54	709.25	714.75	708 - 715	711.5
		55	716.25	721.75	715 - 722	718.5
		56	723.25	728.75	722 - 729	725.5
		57	730.25	735.75	729 - 736	732.5
		58	737.25	742.75	736 - 743	739.5
		59	744.25	749.75	743 - 750	746.5
		60	751.25	756.75	750 - 757	753.5
		61	758.25	763.75	757 - 764	760.5
		62	765.25	770.75	764 - 771	767.5
		63	772.25	777.75	771 - 778	774.5
		64	779.25	784.75	778 - 785	781.5
		65	786.25	791.75	785 - 792	788.5
		66	793.25	798.75	792 - 799	795.5
		67	800.25	805.75	799 - 806	802.5
		68	807.25	812.75	806 - 813	809.5
		69	814.25	819.75	813 - 820	816.5

01 | ANTENNA - UHF / VHF / Combination

15 Element UHF Antenna

Y10

Elements	15
Channel	21-69
Gain (dB)	11
F/B Ratio (dB)	21
Length (mm)	900
Fixing tube diameter (mm)	60
Connection	F-Type

35 Element UHF Antenna

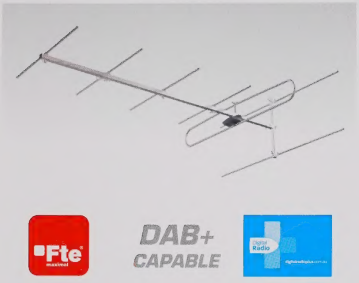
HYDRA 35

Elements	35
Channel	21-69
Gain (dB)	13.5
F/B Ratio (dB)	20
Length (mm)	1006
Fixing tube diameter (mm)	60
Connection	F-Type

45 Element UHF Antenna

HYDRA 45

Elements	45
Channel	21-69
Gain (dB)	17
F/B Ratio (dB)	28
Length (mm)	1045
Fixing tube diameter (mm)	60
Connection	F-Type



7 Element VHF Antenna

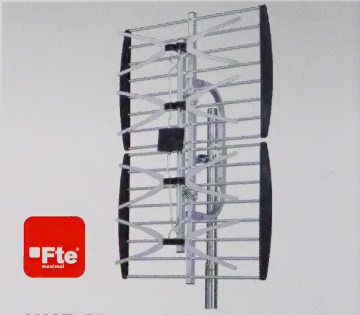
F7F

Elements	7
Channel	5-12 VHF
Gain (dB)	11
F/B Ratio (dB)	22
Length (mm)	1200
Fixing tube diameter (mm)	60
Connection	F-Type

Combo UHF / VHF Antenna

F14F

Elements	14
Channel	FM 5-12 VHF 28-36 UHF
Gain (dB)	6
F/B Ratio (dB)	22
Length (mm)	1600
Fixing tube diameter (mm)	60
Connection	F-Type



UHF Phased Array Antenna

MAXIMAL 45

Elements	2
Channel	28-69 UHF
Gain (dB)	14
F/B Ratio (dB)	22
Length (mm)	800
Fixing tube diameter (mm)	60
Connection	F-Type

Stay tuned for the
RETUNE

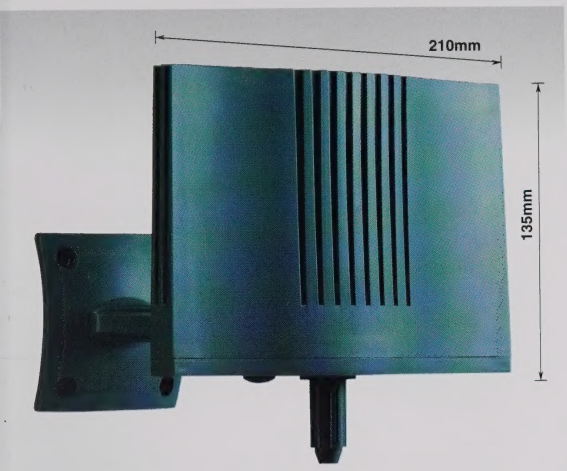
What Is The Retune?

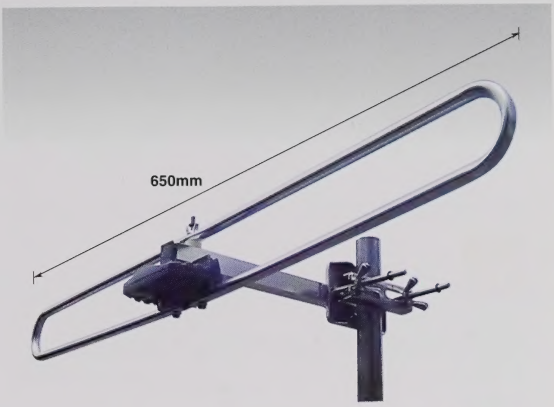
As the final step in Australia's move to digital-only TV, some channels will change frequencies. After they've changed, you'll need to retune your digital TV, set-top box or digital TV recorder to find the channels that have moved. These moves will free up broadcasting spectrum so that it can be used for new services such as mobile broadband. Different areas will need to retune on different dates, so to find your date visit the website at www.digitalready.gov.au/retune

Who Does It Affect?

The retune will affect most TV viewers in Australia. But if you are watching TV via the Viewer Access Satellite Television (VAST) service, the retune won't affect you. If you watch your free-to-air channels via pay TV, your set-top box may be retuned for you by your provider. You may find some of your equipment will automatically detect changes to the channels and retune itself, or it may prompt to retune. If you are missing a free-to-air digital TV channel or channels you will need to retune.

If you live in an apartment, you may be using a shared antenna system. If you are experiencing issues trying to retune your digital TV equipment after your retune date, you should first contact your property manager or body corporate.





22dB GAIN

SUPER SMALL 135x210mm

Mast installation

AZIMUT and slope adjustment

Mini Outdoor Antenna

DIGIMAX

The Digimax Antenna is revolutionising the way we install Antennas. Designed for DTV with a built in amplifier of 22db gain. Powered via separate 5vdc power supply or 5vdc output from your TV or set top box. Includes Azimuth and Elevation Adjustment. Can be wall or pole mounted, it includes all fittings and fixtures. Small in size and completely weatherproof. Ideal for those areas where signal is high and looks are important.

Frequencies	UHF/VHF Wideband
Gain (dB)	22
Regulation (dB)	10
Power Required (Vdc)	5
Connection	F-Type

See page 8 for ZM8909A

get READY for digital TV

The stations you know and love on digital radio

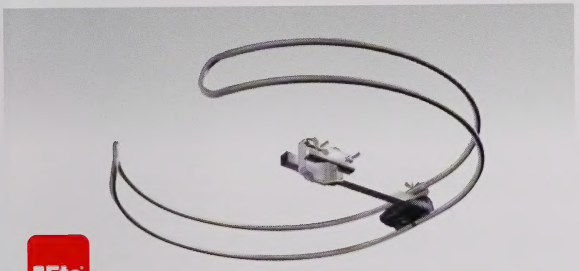
External Digital Radio DAB+ Antenna

FDABF

Digital Radio has begun transmitting in Australia. Most Capital cities have started transmissions. A special Digital Radio tuner is required. Talk to us today as we can supply stand alone Digital Radio tuners.

Our DAB+ Antenna is cut specifically for the bandwidth of Digital Radio. Often installers have been using large wideband VHF antenna's which can cause impulse noise issues. Our DAB+ is small, light and perfect for the job.

Elements	1 Omnidirectional
Channels	DAB (195 - 223Mhz)
Gain (dB)	1
Length (mm)	650
Fixing tube diameter (mm)	60
Connection	F-Type



COMBINE FM INTO YOUR TV SIGNAL WITH THE LG 229

FM Outdoor Aerial

F-0 F

Elements	1 Omnidirectional
Channel	FM (87.5 - 108MHz)
Gain (dB)	1
Length (mm)	
Fixing tube diameter (mm)	
Connection	F-Type

See page 6 for the LG 229

Combine FM Radio into your Wiring

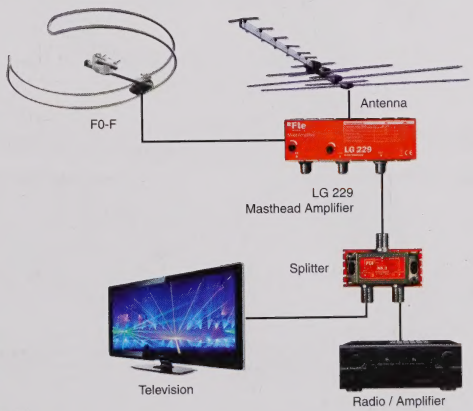
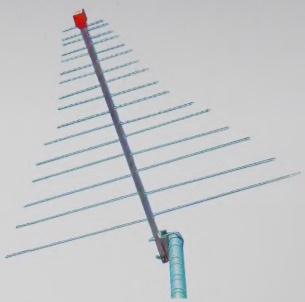


Figure 1.1

28 Element UHF Log-Periodic Antenna

LOG 2845 F

Elements	28
Channel	21-69 UHF
Gain (dB)	13.5
Length (mm)	1040
Fixing tube diameter (mm)	50
Connection	F-Type



32 Element Combination UHF / VHF Log-Periodic Antenna

LOG 3235 F

Elements	32
Channel	5-12 VHF / 21-69 UHF
Gain (dB)	8 VHF / 11 UHF
Length (mm)	800
Fixing tube diameter (mm)	50
Connection	F-Type

Antenna Dome

AV 16N

Frequency Antenna:	AM/BI/FM/BIII/UHF
Gain:	18/28/28/40/40dB
Output Level:	2x109BuV
Horizontal Reception Angle:	360°
Antenna Diameter:	540mm
Feeding:	12/24VDC, 110/220VAC

PERFECT FOR BOATS, SHIPS OR CARAVANS

Fully imported and manufactured in Spain. This antenna dome is suitable for Home, High Rise, Caravans, Boats, Ships. Completely wide band it will do everything. AM, FM, BI, BIII, UHF. It comes hardwired with 30m of coax cable. Made from tough ABS plastic it can be painted to match any colour of choice.

The dipole inside is filled with a heat injected moisture resistant foam barrier to prevent moisture ingress. Complete with tough stainless steel mounting bolts it can withstand any envrionment. It will mount to any pipe up to 50mm in diameter. Optional Variable Amplifiers are available to suit, however it comes standard with a fixed gain unit (LBS 30-12P)

RADIATION DIAGRAMS (dB)

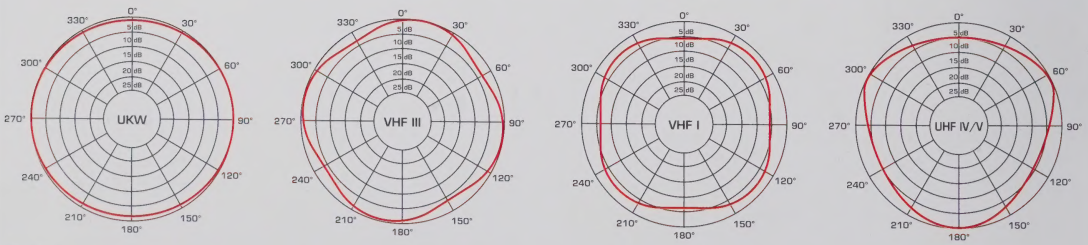
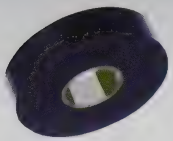
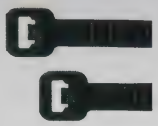


Figure 1.2



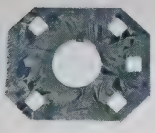
Amalgamation Tape
AT



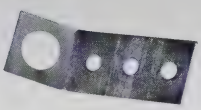
Cable Tie 200mm Black
CT200BK

Catenary Wire 180ft
CW180

Thimble for guy ring (4pc)
TH6/4



Guy Rings 32mm I.D.
TER-GUYR



Guy Wire Cleat (4pc)
TER-GC/4

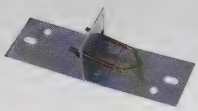
Stand Off Bar 100cm
TER-WF40LW

Hockey Sticks
TER-HS48 - 100cm
TER-HS63 - 140cm

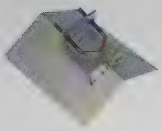
Satellite Wall Bracket
SAT-WALLB

Wire Rope Grip (8pc)
TER-WRG

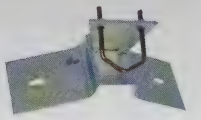
Collar Bar Stays
TER-HSC25 - 25mm
TER-HSC32 - 32mm



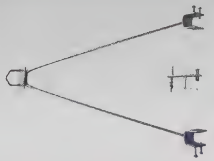
Light Angle roof mount
TER-LARM



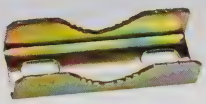
Tile roof ridge mount
TER-TRM-MD



Iron roof mount
TER-IRM

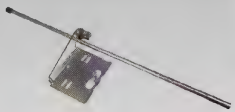


Stramit Roof Deck Mount
TER-SRD



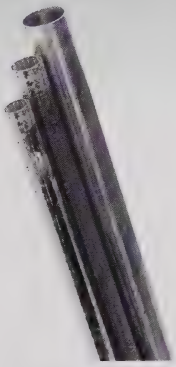
Heavy Duty Nest
TER-HDN

Tripod Metal Roof
TER-TRIPODM



Tripod Tile Roof
TER-TRIPODT

5/16" Turnbuckle
GUYTB5/16



Gal Masts
TER6FTS - 6' 25mm
TER12FTM - 12' 32mm
TER15FTL - 15' 32mm

Gutter Mount Single Leg
SAT-SM11

Tin roof Mount
SAT-HDTIN

Sticks
TER-HSS4FT - 4ft
TER-HSS6FT - 6ft
TER-HSS8FT - 8ft

SMALLEST MAST HEAD AMPLIFIER

+10DB USING 12-24V

F-TYPE CONNECTS TO ANTENNA BALUN

12-24V Masthead Amplifier

LG 100

Frequency (MHz)	470-862
Gain (dB)	10
Output Level (dBuV)	95
Consumption (mA)	10
Feeding (VDC)	12-24
Connection	F-Type

See page 8 for PS24VDC

+10DB

F-TYPE CONNECTS TO ANTENNA BALUN

5V Masthead Amplifier

LG 106

Frequency (MHz)	175-862
Gain (dB)	10
Output Level (dBuV)	95
Consumption (mA)	10
Feeding (VDC)	5
Connection	F-Type

See page 8 for ZM8909A

TECH TIP

Have you seen the world's smallest amplifier?

As we all know technology gets smarter and smaller. Have you seen the world's smallest amplifier? 10db gain suitable for installing direct on the antenna balun or inline in the roof. Great for boosting your signal by 10db digital ready by design.

TECH TIP

Connects to Balun

Super fast install to increase your gain. F-Type Connector straight onto your antenna.

12-24V Masthead Amplifier

LGP 200

Frequency (MHz)	47-862
Gain (dB)	10
Output Level (dBuV)	112
Consumption (mA)	60-80
Feeding (VDC)	24
Connection	F-Type

To be used with LG Series masthead pre-amplifiers page 6.

+10DB GAIN ONTO YOUR LG AMP

See Opposite page for LG Masthead Amplifiers

See page 8 for PS24VDC

ATTACH TO YOUR LOW GAIN MAST HEAD AMPLIFIER

The Power Amplifier LGP 200 allows you to amplify an extra 10dB in gain on the output of LG Series Mastheads. Taking the total maximum output to 115dB.

TECH TIP

Low Gain Amplifiers

Digital TV in most area's does not need lots of gain. They say it runs on the smell of an oily rag. It is always recommended that masthead amplifiers don't be used for digital TV due to ingress of noise and excess power. However, some days we need a little amplification.

FTE have produced the LG series for digital TV specifically.

Low Gain, is the easiest way of ensuring no over driven TV tuners whereby causing picture pixelation and breakup. Fully Shielded, IP55 Rated. You can't go wrong.

Not sure what suits you? Call us!

IP55 Rated

UHF 26dB

LG 260

Inputs	UHF
Gain (dB)	26
Regulation (dB)	10
Output Level (dBuV)	102
Consumption (mA)	65
Power Supply (VDC)	12-24

FM / BIII / UHF 22dB

LG 223

Inputs	FM / BIII / UHF
Gain (dB)	22
Regulation (dB)	15 /10
Output Level (dBuV)	102
Consumption (mA)	65
Power Supply (VDC)	12-24

VHF / BIV / BV 22dB

LG 226

Inputs	VHF / BIV / BV
Gain (dB)	22
Regulation (dB)	15 / 10 /10
Output Level (dBuV)	106
Consumption (mA)	80
Power Supply (VDC)	12-24

BIII + UHF 22dB

LG 224

Inputs	BIII + UHF
Gain (dB)	22
Regulation (dB)	15 /10
Output Level (dBuV)	102
Consumption (mA)	65
Power Supply (VDC)	12-24

LOG (BIII + UHF) / FM

LG 229

Inputs	LOG (BIII + UHF) / FM
Gain (dB)	22
Regulation (dB)	15 /10
Output Level (dBuV)	106
Consumption (mA)	65
Power Supply (VDC)	12-24

VHF 22dB / UHF 26dB

LG 261

Inputs	VHF / UHF
Gain (dB)	22 / 26
Regulation (dB)	15 / 10
Output Level (dBuV)	106
Consumption (mA)	80
Power Supply (VDC)	12-24

NO TRIM POTS
0.8DB NOISE REAL FIGURES

UHF Mast Pre-Amp

M 1000

Inputs	UHF
Gain (dB)	40
Regulation (dB)	Jumpers 7 / 14
Output level (dBuV)	102
Noise Figure (dB)	0.8
Consumption (mA)	45
Feeding (VDC)	Jumper ON 12 Jumper OFF 15 to 24

NO TRIM POTS
0.8DB NOISE REAL FIGURES

VHF / UHF Mast Pre-Amp

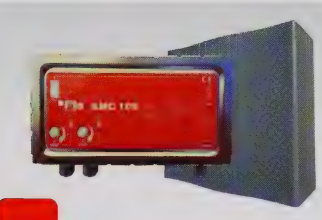
M 1001

Inputs	VHF / UHF
Gain (dB)	20 / 40
Regulation (dB)	20 / Jumpers 7 / 14
Output level (dBuV)	102 / 102
Noise Figure (dB)	1.5 / 0.8
Consumption (mA)	80
Feeding (VDC)	Jumper ON 12 VDC Jumper OFF 15 to 24 VDC

UHF Configurable Masthead

AMC 108

Inputs	1 UHF
Gain (dB)	32
Regulation (dB)	15
Noise Figure (dB)	3.5
Output Level (dBuV)	110
Feeding (VDC)	12 to 24
Consumption (mA)	65
VDC Pass	Yes, 1 UHF



VHF / UHF Configurable Masthead

AMC 109

Inputs	1 UHF / 1 VHF
Gain (dB)	32 / 20
Regulation (dB)	15 / 20
Noise Figure (dB)	3.5 / 4
Output Level (dBuV)	110
Feeding (VDC)	12 to 24
Consumption (mA)	65
VDC Pass	Yes, 1 UHF

40dB

UHF Configurable Masthead

KMC 301

Inputs	1 UHF
Gain (dB)	40
Regulation (dB)	15
Noise Figure (dB)	3.5
Output Level (dBuV)	114
Feeding (VDC)	12
Consumption (mA)	150
VDC Pass	Yes, 1 UHF

40dB UHF
30dB VHF

VHF / UHF Configurable Masthead

KMC 302

Inputs	1 UHF / 1 VHF
Gain (dB)	40 / 30
Regulation (dB)	15 / 20
Noise Figure (dB)	3.5 / 4
Output Level (dBuV)	11
Feeding (VDC)	12
Consumption (mA)	150
VDC Pass	Yes, 1 UHF

Pay-TV APPROVED

SAT/TER Mixer/Unmixer

AM

Inputs	2
Outputs	1
Terrestrial Frequency (MHz)	5-862
Satellite Frequency (MHz)	950-2400
Insertion Loss (dB)	TER 1.5 / SAT 2

SUITS CLIPSAL PLATES

Pay-TV APPROVED

Wallplate SAT/TER Mixer/Unmixer

TER-DOP2C

Inputs	2
Outputs	1

RF over Cat5e

CAT5ERFF

Bandwidth (MHz)	5 - 862
Insertion Loss (dB)	< 3
Impedance (Ω)	75 Coaxial, 100 RJ45
Max. Signal Volatage	1.1 Vp-p
Return Loss (dB)	15 from 10 - 862MHz
Common Mode Rejection (dB)	> 20 from 40 -862MHz
Max Distance	60m for CATV Applications

Power Supply / Injector

5VDC 3A PAL	ZM8909A
14VDC 150mA F-Type	PS14VDCF
14VDC 150mA PAL	PS14VDC
17VAC 150mA F-Type	PS17VAC
22VAC 150mA PAL	PS22VAC
24VAC 150mA PAL	PS24VDC

12V Mast Power Supply

LPS 1222

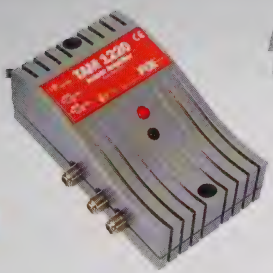
Inputs / Outputs	1 / 1
Output Voltage (VDC)	12
Maximum Current (mA)	220
Feeding (VAC)	240V / 50Hz
Installation Type	F-Type
Connector	Indoor

TECH TIP

Need Quality Masthead Power with Options?

FTE power supplies provide stable good quality power supply options.

Quality made, all with F Type connectors. Ideal for feeding TV and say HD recorder, eliminating messy behind the TV splitters or loop through connectors. Great for MATV systems allowing for fixing to boards or walls. Big enough not to be missed by the rental tennant either. Ideal for solutions where permanent power is required. Screw it down and forget it, don't let them touch it.



MULTIPLE OUTPUTS x2

2 Output Line Amplifier

TAM 1220

Inputs	1
Outputs	2
Band (MHz)	47-862
Gain (dB)	20
Regulation (dB)	10
Output Level (dBuV)	2x104
Feeding (VAC)	240V / 50-60Hz

MULTIPLE OUTPUTS x4

4 Output Line Amplifier

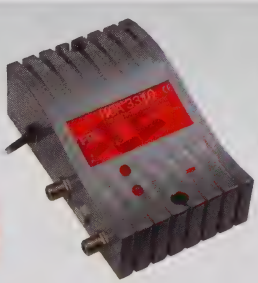
TAM 1420

Inputs	1
Outputs	4
Band (MHz)	47-862
Gain (dB)	20
Regulation (dB)	10
Output Level (dBuV)	4x100
Feeding (VAC)	240V / 50-60Hz

1 Output Line Amplifier

HCA 1130

Inputs	1
Outputs	1
Band (MHz)	47-862
Gain (dB)	30
Regulation (dB)	6
Output Level (dBuV)	112
Feeding (VAC)	240V / 50-60Hz

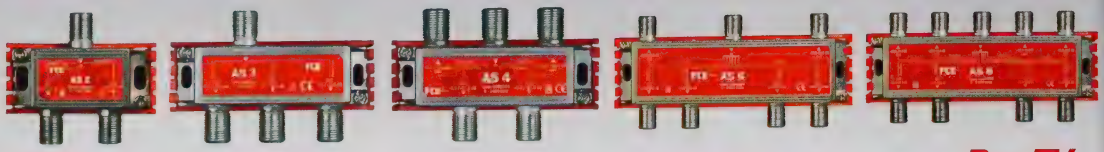


ZAMAK HOUSING
HIGH ELECTRO-MAGNETIC IMMUNITY TO GERMAN STANDARDS

1 Output Line Amplifier

HCA 3310

Inputs	1
Outputs	1
Band (MHz)	47-862
Gain (dB)	33
Regulation (dB)	20
Output Level (dBuV)	113 / 98
Feeding (VAC)	240V / 50-60Hz



A Class Splitters

Pay-TV APPROVED

SUPERIOR SCREENING >100dBuV

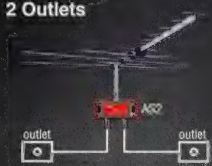
Providing superior performance, these High Quality A Class splitters provide superior screening in excess of 100dBuV. For digital TV, sometimes the electromagnetic interference (impulse noise) from outside sources can pose problems. Using such a High Quality splitter reduces this potential problem ensuring trouble free reception. Provided with an ABS plastic click on holder, mounting these splitters for MATV systems make them ideal. Simply screw the plastic holder to the wall, then click in the splitter for easy maintenance and installation.

	AS2	AS3	AS4	AS6	AS8
Covered band (MHz)	5-2400	5-2400	5-2400	5-2400	5-2400
Return band (MHz)	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of Outputs	2	3	4	6	8
Splitting Attenuation Freq: TYP/MAX (dB)	5-470: 3.2 / 3.5 470-862: 3.3 / 3.6 950-2150: 3.7 / 4.0	5-470: 6.5 / 6.9 470-862: 7.0 / 7.5 950-2150: 10.0 / 10.5	5-470: 8.5 / 8.7 470-862: 9.0 / 9.2 950-2150: 10.5 / 11.0	5-470: 13.0 / 13.5 470-862: 13.0 / 14.0 950-2150: 16.0 / 17.0	5-470: 14.5 / 15.5 470-862: 14.5 / 15.5 950-2150: 17.5 / 18.5
Screening Factor (dB)	>100	>100	>100	>100	>100

TECH TIP

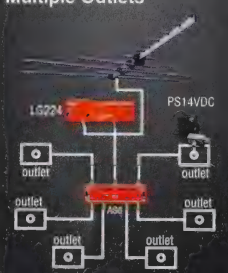
Digital TV Reception Basics

2 Outlets

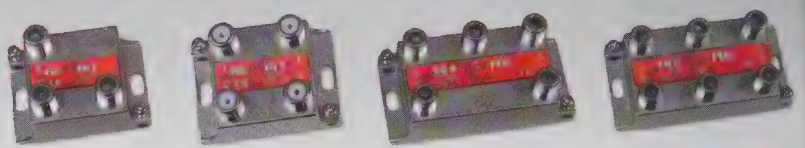


- Always use F Connectors
- Per Aus. Standards, try to earth the Antenna & Splitter
- Use RG6 Quadshield Cable
- Try to maintain cable distance from splitter similar lengths.
- Use Equalised Splitters so loss is always equal on both ports.
- Use quality flyleads to TV

Multiple Outlets



- Maintain high output level in masthead amplifier to cater for loss in splitter & cable run.



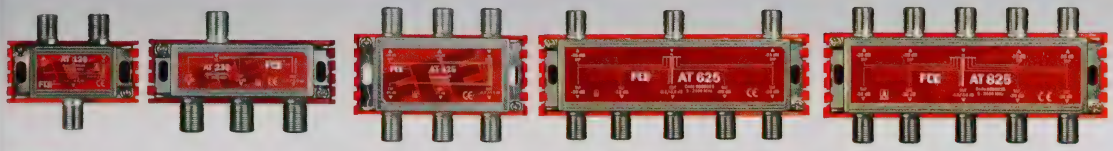
Equalised Splitters

Pay-TV APPROVED

	EQ2	EQ3	EQ4	EQ5
Covered band (MHz)	5-2400	5-2400	5-2400	5-2400
Return band (MHz)	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of Output	2	3	4	5
Screening Factor (dB)	>70	>70	>70	>70
Freq: TYP/MAX (dB)	5-470: 3.2 / 3.5 470-862: 3.3 / 3.6 950-2150: 3.7 / 4.0	5-470: 6.5 / 6.9 470-862: 7.0 / 7.5 950-2150: 10.0 / 10.5	5-470: 8.5 / 8.7 470-862: 9.0 / 9.2 950-2150: 10.5 / 11.0	OUT 1. 2 5-470: 8.5 / 9.0 470-862: 9.0 / 10.0 950-2150: 11.0 / 12.5 OUT 3. 4. 5 5-470: 10.5 / 12.0 470-862: 11.5 / 13.0 950-2150: 14.0 / 16.0

Economy Class Splitters

	TER-EM02	TER-EM03	TER-EM04	TER-EM06	TER-EM08
Covered band (MHz)	5-900	5-900	5-900	5-900	5-900
No of Outputs	2	3	4	6	8
Power Pass	1 Port	1 Port	1 Port	1 Port	1 Port



A Class Taps

The Largest Range Exclusive to Adigitalife

Pay-TV APPROVED

	AT 108	AT 110	AT 112	AT 115	AT 120	AT 125
Band (MHz):	5-2400	5-2400	5-2400	5-2400	5-2400	5-2400
Return Path (MHz):	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of TAP Outputs:	1	1	1	1	1	1
TAP Attenuation	5-470: 8.0 / 9.0	5-470: 10.0 / 11.0	5-470: 12.0 / 13.0	5-470: 15.0 / 16.0	5-470: 20.0 / 21.5	5-470: 25.0 / 26.5
Freq: TYP/MAX (dB)	470-862: 8.5 / 9.0	470-862: 10.5 / 11.0	470-862: 12.5 / 13.0	470-862: 15.5 / 16.0	470-862: 20.5 / 21.5	470-862: 25.5 / 27.0
	950-2400: 8.5 / 9.5	950-2400: 10.5 /11.5	950-2400: 12.5 /13.5	950-2400: 15.5 /16.5	950-2400: 20.5 / 22.5	950-2400: 25.5 / 27.5
Pass Attenuation	5-470: 1.8 / 2.0	5-470: 1.5 / 1.7	5-470: 1.2 / 1.5	5-470: 1.0 / 1.1	5-470: 0.8 / 1.0	5-470: 0.8 / 1.0
Freq: TYP/MAX (dB)	470-862: 1.8 / 2.2	470-862: 1.5 / 1.8	470-862: 1.2 / 1.5	470-862: 1.0 / 1.2	470-862: 0.8 / 1.0	470-862: 0.8 / 1.0
	950-2400: 2.2 / 3.0	950-2400: 2.1 / 2.5	950-2400: 1.5 / 1.9	950-2400: 1.3 / 1.6	950-2400: 1.2 / 1.5	950-2400: 1.2 / 1.5
Screening Factor (dB)::	> 100	> 100	> 100	> 100	> 100	> 100

	AT 210	AT 212	AT 215	AT 220	AT 225	AT 230
Band (MHz):	5-2400	5-2400	5-2400	5-2400	5-2400	5-2400
Return Path (MHz):	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of TAP Outputs:	2	2	2	2	2	2
TAP Attenuation	5-470: 10.0 / 11.0	5-470: 12.0 / 13.0	5-470: 15.0 / 16.0	5-470: 20.0 / 21.0	5-470: 25.0 / 26.0	5-470: 30.0 / 31.0
Freq: TYP/MAX (dB)	470-862: 10.5 / 11.0	470-862: 12.5 / 13.0	470-862: 15.5 / 16.0	470-862: 20.5 / 21.0	470-862: 25.5 / 26.0	470-862: 30.5 / 31.0
	950-2400: 10.5 /11.5	950-2400: 12.5 /13.5	950-2400: 15.5 / 16.5	950-2400: 20.5 / 21.5	950-2400: 25.5 / 26.5	950-2400: 30.5/31.5
Pass Attenuation	5-470: 2.2 / 2.5	5-470: 2.0 / 2.1	5-470: 1.6 / 2.0	5-470: 1.0 / 1.5	5-470: 1.0 / 1.5	5-470: 1.0 / 1.4
Freq: TYP/MAX (dB)	470-862: 2.2 / 2.5	470-862: 2.0 / 2.2	470-862: 1.8 / 2.0	470-862: 1.0 / 1.6	470-862: 1.0 / 1.6	470-862: 1.0 / 1.4
	950-2400: 2.8 / 3.5	950-2400: 2.5 / 3.0	950-2400: 2.0 / 2.3	950-2400: 1.7 / 2.2	950-2400: 1.7 / 2.2	950-2400: 1.6 / 2.0
Screening Factor (dB):	> 100	> 100	> 100	> 100	> 100	> 100

	AT 412	AT 415	AT 420	AT 425	AT 430
Band (MHz):	5-2400	5-2400	5-2400	5-2400	5-2400
Return Path (MHz):	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of TAP Outputs:	4	4	4	4	4
TAP Attenuation	5-470: 12.0 / 13.0	5-470: 15.0 / 16.0	5-470: 20.0 / 21.0	5-470: 25.0 / 26.0	5-470: 30.0 / 31.0
Freq: TYP/MAX (dB)	470-862: 12.5 / 13.0	470-862: 15.5 / 16.0	470-862: 20.5 / 21.0	470-862: 25.5 / 26.5	470-862: 30.5 / 31.0
	950-2400: 12.5 / 13.5	950-2400: 15.5 / 16.5	950-2400: 20.5 / 21.5	950-2400: 25.5 / 27.0	950-2400: 31.5 / 32.5
Pass Attenuation	5-470: 3.8 / 4.1	5-470: 1.6 / 2.0	5-470: 0.8 / 1.1	5-470: 0.7 / 1.0	5-470: 0.7 / 1.1
Freq: TYP/MAX (dB)	470-862: 4.0 / 4.5	470-862: 1.8 / 2.0	470-862: 1.0 / 1.2	470-862: 1.0 / 1.2	470-862: 0.8 / 1.1
	950-2400: 4.5/ 5.0	950-2400: 2.0/ 2.5	950-2400: 1.2/1.5	950-2400: 1.2/1.5	950-2400: 1.0/1.3
Screening Factor (dB):	> 100	> 100	> 100	> 100	> 100

	AT 616	AT 620	AT 625
Band (MHz):	5-2400	5-2400	5-2400
Return Path (MHz):	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of TAP Outputs:	6	6	6
TAP Attenuation	5-470: 16.0 / 17.0	5-470: 20.0 / 21.0	5-470: 25.0 / 31.0
Freq: TYP/MAX (dB)	470-862: 16.5 / 17.0	470-862: 20.5 / 21.0	470-862: 25.5 / 31.0
	950-2150: 16.5 / 17.5	950-2150: 20.5/21.5	950-2150: 26.5 / 32.5
Pass Attenuation	5-470: 5.0 / 6.0	5-470: 3.7 / 4.0	5-470: 3.2 / 3.7
Freq: TYP/MAX (dB)	470-862: 5.2 / 6.0	470-862: 3.7 / 4.0	470-862: 3.3 / 3.8
	950-2400: 6.5 / 7.5	950-2400: 4.5 / 5.2	950-2400: 4.0 / 5.0
Screening Factor (dB):	> 100	> 100	> 100

	AT 816	AT 820	AT 825
Band (MHz):	5-2400	5-2400	5-2400
Return Path (MHz):	5-30 / 5-65	5-30 / 5-65	5-30 / 5-65
No of TAP Outputs:	8	8	8
TAP Attenuation	5-470: 16.0 / 17.0	5-470: 20.0 / 21.0	5-470: 25.0 / 31.0
Freq: TYP/MAX (dB)	470-862: 16.5 / 17.0	470-862: 20.5 / 21.0	470-862: 25.5 / 31.0
	950-2150: 16.5 / 17.5	950-2150: 20.5 / 21.5	950-2150: 26.5 / 32.5
Pass Attenuation	5-470: 5.0 / 6.0	5-470: 4.7 / 5.5	5-470: 3.2 / 3.7
Freq: TYP/MAX (dB)	470-862: 5.2 / 6.0	470-862: 5.0 / 5.5	470-862: 3.3 / 3.8
	950-2400: 6.5 / 7.5	950-2400: 5.5 / 6.3	950-2400: 4.0 / 5.0
Screening Factor (dB):	> 100	> 100	> 100

42dB Configurable Amplifier

HCA4210-R30

Inputs	47-862MHz
Gain (dB)	42
Regulation (dB)	20
Output Level (dBuV)	118
Return Path	5-30MHz
Test Output (dB)	-20
VDC Pass	15 VDC / Through IC 24F
Feeding (VAC)	230±10% / 50-60Hz
Connection	F-Type

NEW

50dB Configurable Amplifier

MA5012

Inputs	VHF / UHF
VHF / UHF Amplification	Separated
Gain (dB)	30 / 50
Regulation (dB)	20 / 20
Output Level (dBuV)	115 VHF / 120 UHF
Test Output (dB)	-30
VDC Pass	15 VDC / Through IC 24F
Feeding (VAC)	193-253 / 47-63Hz
Connection	F-Type

5 Input Multiband Amplifie

MA3550

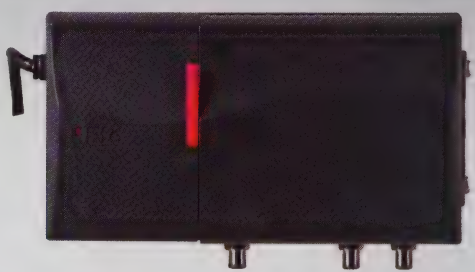
Inputs and Band	BI+FM / BIII / BIV / BV / UHF
VHF / UHF Amplification	Separated
Gain (dB)	35 / 35 / 35 / 35 / 30
Regulation (dB)	20
Output Level (dBuV)	115
Test Output (dB)	-20
VDC Pass	15 VDC / Through IC 24F
Feeding (VAC)	198-253 / 50-60Hz
Connection	F-Type

TECH TIP

FTE Maximal Distribution Amplifiers

These wide band amplifiers offer the versatility to be configured, as either a multiband wide band amplifier or line amplifier. A switch located on the rear allows the amplifier to be used as 1 input to cover both UHF / VHF bands. Or be used with 2 separate inputs using both inputs VHF (47-300 MHz) and UHF (470-862MHz). They also feature a test point with -20 dB. Each input has an independent adjustable attenuator of 20 dB. They have a connector faston type, to supply a power injector for mast amplifiers e.g. (recommended M1000 series). This connector supplies 15 V and 100 mA.

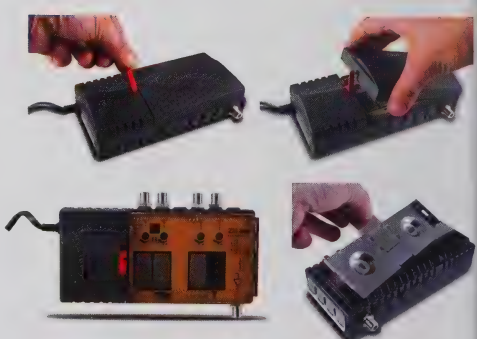
IP65 Rated



Distribution Amplifier, Outdoor Rated Aluminium Housing

The ZM series from FTE are a result of 3 years R&D. IP65 rated they suit the harshest of environments. With an inovative lock and mounting system they ensure maintenance is easy at the same time ensuring your installation remains secure. Offering return path and high output, they represent the best money can buy.

	HCA ZM 45-30	HCA ZM 45-65
Inputs	1	1
Outputs	1	1
Frequencies (MHz)	47-862	85-862
Gain (dB)	42±1,5	42±1,5
Regulation (dB)	0-20	0-20
Attenuation between band (dB)	6	6
Equalization (dB)	0-10	0-10
Equalization between stages (dB)	6	6
Output level(dBuV)	124	124
Return band (MHz)	5-30	5-65
Gain Return Path (dB)	Active: 30 - Passive: >-2,5	Active: 30 - Passive: >-2,5
Regulation Return Path (dB)	Active 0-20	Active 0-20
Equalization Return Path (dB)	0-10	0-10
Output level Return Path (dB)	Active: 120	Active: 120
Test Output (dB)	-30	-30
Feeding (VAC)	198-253 / 47-63Hz	198-253 / 47-63Hz
Housing	Aluminium / IP 65	Aluminium / IP 65



Snaplock Aluminium Housing is IP65 rated is Dustproof and Waterproof

High Performance

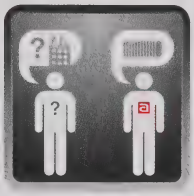
Excellent Reliability

FAST INSTALL

TESTED and CERTIFIED

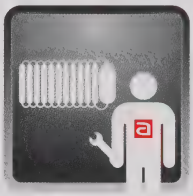
Step 1

Faced with a tower or large complex with demand for quality and time? You need to see us.



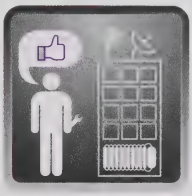
Step 2

Talk to us at Adigitalife about your install and we can suggest the best options for you.



Step 3

We will assemble the Single Channel Amplifier suited to your situation and even send it to you.



Step 4

Install the single channel amplifier and tune it to your requirements and enjoy the simplicity.

Single Channel Amplifiers

Each unit is fully manufactured fully in Europe. The R&D team have been to Australia, taken parameters and returned to the mother land Spain. Equipped with know how and technology, they have come up with a simple online ordering system whereas you can order your headend direct from factory. Each unit and configuration is then assembled, then tested and certified to perform as you need. Alternate you may wish to configure, assemble and tune it yourself.

	C 522	C DAB	C 523	C 604 (UHF)
Inputs	2	2	2	2
Outputs (Z Connection)	2	2	2	2
Channels	FM	DAB	1 x BIII	1 x UHF*
Gain (dB)	40	45	40	50
Regulation (dB)	20	20	20	20
Output Level (dBuV)				
DIN 45004K (IMD3 - 54)	123,5	123,5	123,5	122
EN 50083-5 (-35dB) DVB-T	118,5	118,5	118,5	117
Mixing / Unmixing Losses (dB)	0,5	0,5	0,5	0,5
Selectivity (dB)	--	28	28	
Adjacent Channel P4-P4±				14
Rejection(dB) P4-P4±2				--
Consumption (mA)	90	90	90	90
Feeding (VDC)	15	15	15	15

*Adjacent Channels

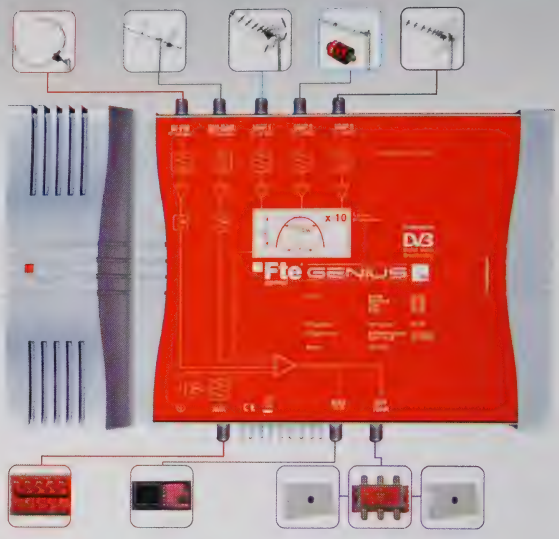
5yr Warranty

Power Supplies

PS 2 1600 A

Output Voltage (VDC)	15
Max. Output Current (mA)	1600
Type	Switched
Consumption (W)	32
Packaging	1/6

GENIUS 10



High Output 125dB

10 Cluster Programmable Headend

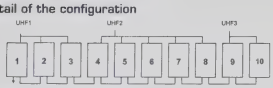
Genius by name and performance. These programmable headends allow for MATV RF signal distribution whilst providing high output at it's best. Equipped with multiple inputs each headend can be programmed according to cluster filters allowing for channels to be grouped or individually adjusted. Featuring AGC which can be turned on your off, giving flexibility and perfect picture every time.

	GENIUS-10
Description	Programmable Headend
Inputs	10 UHF filters BI/FM: 47 - 108 MHz BIII/DAB: 174 - 230 MHz AUX: 47 - 862 MHz UHF: 3 x Programmable 10 filters (see table 1) Bandwidth with 1 to 6 channels (8-48 MHz) per filter
Outputs	1 + 1 test (-30 dB)
Gain (dB)	BI/FM: 33 BIII/DAB: 33 AUX: 40 UHF: 55
Regulation (dB)	All Inputs 20 / UHF inputs 20 each filter + 20 general
Auto Leveling	✓
AGC	✓
Output Level DIN 45004 B (dBuV)	BI/FM: 122 BIII/DAB: 122 AUX: 124 UHF: 124
Feeding pre-amp (VDC)	UHF inputs 12/24 (60mA)
Max. Input Level (dBuV) (UHF/VHF/SAT)	85
Programming	Through PRO 200 / PRO 201
Noise Figure (dB)	BI/FM: 5 BIII/DAB: 5 UHF: 10
Feeding (VAC)	198-253 / 47-63 Hz

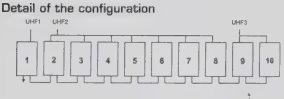
1 - Multiple configurations available

Combinations	INPUTS UHF 1	UHF 2	UHF 3
1*	1-3	4-8	9-10
2**	1	2-8	9-10
3	-	1-8	9-10
4	1-3	-	4-10
5	1	-	2-10
6	-	-	1-10

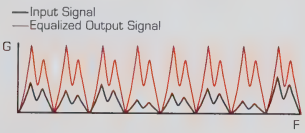
*Detail of the configuration



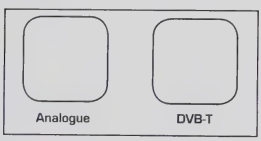
**Detail of the configuration



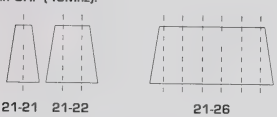
2 - Auto Leveling function. Up to 20 dB



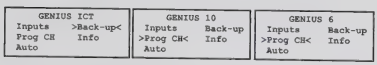
3 - DVB-T Compatible and Analogue Signals



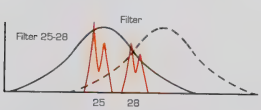
4 - Selectable band up to 6 channels in UHF (48Mhz).



5 - Backup function, programme in few seconds your stored configurations. It allows 9 configurations for each model.

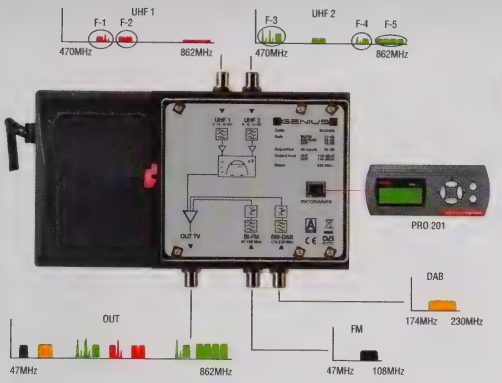


6 - Fine adjustment for each filter.

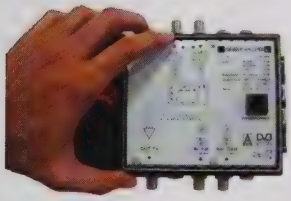


7 - AGC function. It guarantees a stable output level in distribution, solving levels up to +/- 10 dB

GENIUS 5



High Output 125dB



Snaplock Aluminium Housing is IP65 rated is Dustproof and Waterproof

5 Cluster Programmable Headend

The Genius 5 has an array of input combinations. The 2 UHF inputs that allows for controlling 5 different clusters. Each UHF filter allows amplifying from 1 to 6 channels (8 - 48 MHz BW). 20dB regulation in each filter allows for perfect equalisation for the output levels in the whole band. Auto Levelling function detects the maximum possible output level and it adjusts the filters in order to achieve it. AGC (Automatic Gain Control) Function guarantees a stable output level.

	GENIUS-5
Description	Programmable Headend 5 UHF filters
Inputs	BI/FM: 47 - 108 MHz BIII/DAB: 174 - 230 MHz AUX: 47 - 862 MHz UHF: 3 x Programmable 5 filters (see table 1) Bandwidth with 1 to 6 channels (8-48 MHz) per filter
Outputs	1
Gain (dB)	BI/FM: 23 BIII/DAB: 35 AUX: 45 UHF: 55
Regulation (dB)	All Inputs 20 / UHF inputs 20 each filter + 20 general
Auto Leveling	✓
AGC	✓
Output Level DIN 45004 B (dBuV)	BI/FM: 110 BIII/DAB: 110 UHF: 116
Feeding pre-amp (VDC)	UHF inputs 12/24 (80mA)
Max. Input Level (dBuV) (UHF/VHF/SAT)	85
Programming	Through PRO 200 / PRO 201
Noise Figure (dB)	BI/FM: 6 BIII/DAB: 4 UHF: 10
Feeding (VAC)	230 / 50-60 Hz

TECH TIP

Transmodulator, Processor and Regenerator

Whether it be satellite, cable or Digital TV. We can capture it's format and convert it to any other format. Convert Satellite to straight Digital TV, Convert Digital TV to Cable TV. The offerings are limitless. Benefits include full programming via any FTE Maximal Field Strength Meter or via a separate programmer. You as the installer can measure your signals and also progam parameters at the same time with the one instrument. FTE have several models in the range. Too many to list. Contact us today for further specifications and details.

Transmodulator

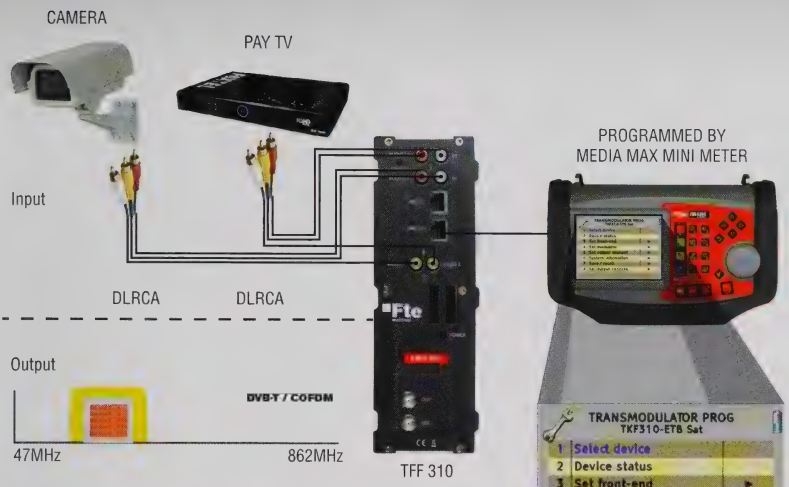
TSF 310 CI

Description	Transmodulator DVB-S2 (CI) --> DVB-T
Standard	8-PSK
Input Frequency Range (MHz)	950-2150
Input Level (dBm)	-30 to -60
Loss in LOOP (dB)	<1
FEC	1/2,2/3,3/4,5/6,7/8,9/10 1/4,1/3,1/5,2/5,3/5,4/5 DVB RS 204, 188
Input Symbol Speed (MS/s)	DVS-S: 1-45; DVB-S2: 1-37
Data Processing	EN 300 429
Servicing/Programs Filtering	Programmable
Rate of Error of Modulation (MER) (dB)	Typ. 38 / Min. 36
Selectable Format of Output Modulation	DVB-T / DVB-H
Bandwidth (MHz)	DVB-T: 6/7/8 DVB-H: 5/6/7/8
Mode	DVB-T: 2K - 8K DVB-H: 2K - 4K - 8K
Output Symbol Speed (MS/s)	--
Roll-Off Factor (%)	--
Selectable Output Channel (MHz)	47-862
Output Level (dBuV)	80
Regulation (dB)	15
MIX Loss (dB)	<1
Spureous Level (dBc)	-60
Input RF Connector	Female F Connector
Output RF Connector	Female F Connector
Programming Interface	RJ-45
Programmer	PRO 201
Conditional Access	Yes, 2 Slots
Working Temprature	0° C to 45° C
Consumption 5V (mA)	800
Consumption 12V (mA)	300
Consumption 24V (mA)	15
Consumption 30V (mA)	2
Dimensions (mm)	75x265x150
Weight (Kg)	1,4

Processor and Regenerator

TFF 310

Description	DVB-T --> DVB-T
Standard	COFDM
Input Frequency Range (MHz)	47-862
Loss in LOOP (dB)	<1
Bandwidth (MHz)	DVB-T (7-8)
Guard Interval	1/4,1/8,1/16,1/32
Reception Mode	DVB-T (2K,8K)
Input Level (dBuV)	32-90
Modulation	16 QAM, 32 QAM, 64 QAM, 128 QAM, 256 QAM
Data Processing	EN 300 429
Services / Programs Filtering	Programmable
Rate of Error of Modulation (MER) (dB)	Typ. 38 / Min. 36
Selectable Format of Output Modulation	DVB-T / DVB-H
Bandwidth (MHz)	DVB-T: 6/7/8 DVB-H: 5/6/7/8
Mode	DVB-T: 2K -8K DVB-H: 2K - 4K - 8K
Selectable Output Channel (MHz)	47-862
Output Level (dBuV)	80
Regulation (dB)	15
MIX Loss (dB)	<1
Spureous Level (dBc)	-60
Input RF Connector	Female F Connector
Output RF Connector	Female F Connector
Programming Interface	RJ-45
Programmer	PRO 201
Conditional Access	No
Working Temprature	0° to 45°
Consumption 5V (mA)	650
Consumption 12V (mA)	300
Consumption 24V (mA)	15
Consumption 30V (mA)	2
Dimensions (mm)	75x265x150
Weight (Kg)	1,4



The ETWF 310 modulates up to 2 channels in Base Band analogue format (A/V inputs) into a single COFDM Multiplex in Terrestrial Band. With a very intuitive user interface, allowing you to modulate your A/V channels into COFDM multiplexes with ease.

Screen shot examples from programming the FTE EWTF 310 using the MediaMAX MINI Series Meters.

Twin COFDM (Digital) Modulator

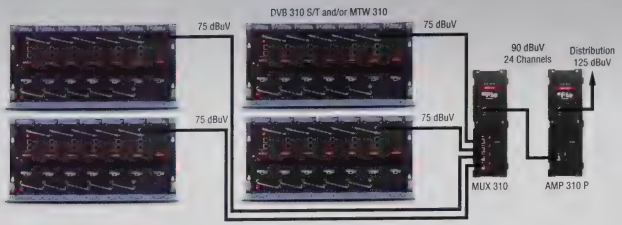
FTE maximal have launched a professional series of headends perfect for the Digital Switchover. The NEW EWTF 310 Twin Digital (COFDM) Modulator completes the series. For distributing Pay TV, DVD, security camera's and more into any RF TV system, for crystal clear Digital reception.All parameters are selectable and assignable to suit any application. Price competitive and assured by quality. 2 year warranty on Modulator and 5 year warranty on separate power supply ensures system optimization without worry.

Some of these features include:

Selectable broadband: 8Mhz, 7Mhz, 6Mhz, 5MhzFFT
Mode: 8K, 4K, 2K
Edition of Network tables: LCN, TS ID, NET ID, Network Name
Edition of services tables: Services Name
Definition of input digitization quality: audio rate, coding rate, images per second.

As an added feature the modules can be programmed by your FTE maximal field strength meter or separate programmer.

	ETWF310
Description	2 x AV Stereo / 1 x COFDM
Input TV System	CVBS Base Standard
Input Level Video (VPP)	1
Video Input Impedance (Ω)	75
Input Level Audio (VPP)	0.6
Audio Input Impedance (Ω)	75
Encoding Bit Rate (KBits/s)	500-6750
Video Ratio	Auto, 1/1, 4/3, 16/9, 2.21/1
Video Resolution	720x480, 360x480, 352x240, 176x128, 480x480, 544x480
Modulation Error Ratio (MER)	Typ. 38 / Min. 36
Selectable Format of Output Modulation (dBuV)	DVB-T
Output Channels	C2-C69
Output Level (dBuV)	80
Regulation Margin (dB)	15
Band Spurios (dBc)	-60
Programming Interface	RJ-45
Conditional Access	No
Operating Temprature (°C)	0-45
Dimensions (mm)	75x265x150
Weight (kg)	1.4



Amplifier and Active Combiner

FTE have found a neat and tidy solution for the 310 Series of headends. Leaving all equipment in the rack including the launch amplifer. The MUX 310 combines and equalizes signal from each module. From the MUX 310, we feed the AMP 310 P for launching signal into the distribution system. MATV was never so easy. Using a FTE meter you can also program the headends without the need for a separate programmer.

With its Gain of 45 dB, and its Output Level of 125 dBuV, the AMP 310 P is the best option to carry out the installation.

	MUX 310	AMP 310 P
Inputs / Outputs	4 / 1	1 / 1
Frequency Margin (MHz)	47-862	47-862
Gain (dB)	19	45
Regulation Margin (dB)	10	20
Equalization Margin (dB)	--	10
Output Level (dBuV)	114	125
IMD3 DIN 45004B		
RF Connector (Input/Output)	F Female / F Female	F Female / F Female
Consumption 24V (mA)	250	525
Feeding	From SPS 310	95-230 VAC / 50Hz
Working temprature	0° C to 45° C	0° C to 45° C
Dimensions (mm)	75x265x150	75x265x150

Power Supplies

The SPS 310 and SPS 310-R are the well known Switched Power Supplies for all the 310 Series modules.

The SPS 310 is for Wall installation and the SPS 310-R is for Rack 19" installation.

	SPS 310	SPS310R
Power Network Voltage (50/60Hz)	95-230 VAC / 50Hz	95-230 VAC / 50Hz
Output Voltage (V)	5/12/24/30	5/12/24/30
Maximum Capacity	6 Modules 310 Series	6 Modules 310 Series
Temperature Margin	0° C to 45° C	0° C to 45° C
Dimensions (mm)	75x265x150	75x265x150

IP LAN TV

TV OVER THE INTERNET IS FINALLY HERE

IP VIEW media solutions

VIEW HOSPITALITY media solutions

VIEW SHOW media solutions

VIEW NET media solutions

Fte maximal

IP Digital Headend Receivers

Capture your Satellite, Digital TV or Cable TV signal, convert it and send it around your data network. The future has arrived. Manufactured in France, these headend receivers make for a cost effective solution for buildings whereby retrofitting with coax cable maybe impossible.
Consider the IP range from FTE as a solution for your new projects.
The cost of Cat5e cable has come down so why not use it for your television too.

FTE provide a complete solution offering IPTV set top box's for your TV, when a PC is not used.
With the Australian governments new broadband network, you could share your TV between friends and family around the the globe.

Streaming TV has never been so easy! No Loss, No interference, Crystal clear pictures all day everyday.

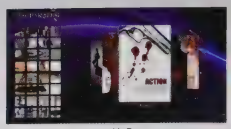
	IPS 310 CI	IPT 310
Description	DVB-S / DVB-S2 (CI) --> IPTV	DVB-T --> IPTV
Input RF Connector	Female F Connector	Female F Connector
Input Frequency Range (MHz)	950-2150	VHF: 174 - 230 UHF: 470 - 862
Input Level	-25dBm to -65dBm	43-88dBm
Bandwidth (MHz)	--	DVB-T (7-8)
Input Impedance (Ω)	75	75
Symbol Speed (MS/s)	DVB-S:1-45 DVB-S2:1-36	--
Modulation	(QPSK)/1-30(8PSK) QPSK / 8PSK	COFDM
FEC	DVB-S: 1/2,2/3, 3/4,5/6,6/7,7/8 DVB-S2: 1/2,3/5,2/3,3/4, 4/5,5/6,8/9,9/10	1/2,2/3,3/4,5/6,7/8
Loss in LOOP (dB)	<1	<1
Services/ Programs Filtering	Up to 8	Up to 8
Reception Mode	--	DVB-T (2K,8K)
LNB (Feeding/ Communications)	13V/18V, 0-22kHz	--
LAN Interface connector	RJ-45	RJ-45
LAN Interface Protocol	Ethernet 802,3	Ethernet 802,3
Output Speed	10/100Mps	10/100Mps
Protocol	v1,v2	SAP / SDP
IGMP Protocol	--	v1,v2
IP Encapsulation and Extraction	MPEG 2 / MPEG 4 over IP (ETSI EN 301 192)	MPEG 2 / MPEG 4 over IP (ETSI EN 301 192)
Table Pass or Extraction	NIT, SDT, EIT & TDT	NIT, SDT, EIT & TDT
Tables Regeneration	PAT, PMT & CAT	PAT, PMT & CAT
Conditional Access	No	No
Running Temperature	0° C to 45° C	0° C to 45° C
Dimensions (mm)	75 x 265 x 150	75 x 265 x 150
Weight (Kg)	1,2	1,2
Consumption 5V (mA)	DVB-S: <800 DVB-S2: <1500	<1000
Consumption 24V (mA)	<250	--

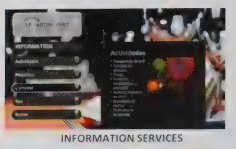
IP VIEW media solutions IP VIEW HOSPITALITY media solutions

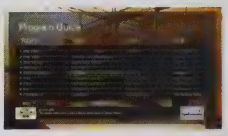
IPView Hospitality

- Customizable user inferface
- Internet Access
- Welcome Messaging
- Video on demand (VoD)
- Electronic Program Guide (EPG)
- Digital TV & Radio
- Pay TV and films services
- Net Recording System (nPVR)
- Real time access to room bill
- Full integration with hotel billing system (PMS)
- Services easy booking: restaurant, SPA, meeting rooms
- Express check out
- Room message system
- Hotel information channel
- Multi language support
- Digital Signage for public areas
- VoD encryption
- Hotel Events calendar
- Wake up call
- Games
- Weather information

IPView Hospitality consists of a broad package of solutions oriented to meet hotels and hospitals requirements, offering a high quality of services to users through the TV set. With this multimedia solution, hotels have an active platform for ensuring customer loyalty as well as a tool for increasing corporate quality image. TV channels with digital quality, interactive services, internet access, visualization of added value hotel services,... in short, every entertainment possibility accessible via the TV set.


VoD


INFORMATION SERVICES


ELECTRONIC PROGRAM GUIDE (EPG) AND PVR

CLOCK, ALARMS, WEATHER AND FLIGHTS INFORMATION

IP VIEW media solutions IP VIEW SHOW media solutions

IPView Show

- Hotels
- Hospitals
- Restaurants
- Wellness center
- Universities, High Schools, Institutions
- Shopping malls and shops
- Stadiums
- Museums
- Supermarkets

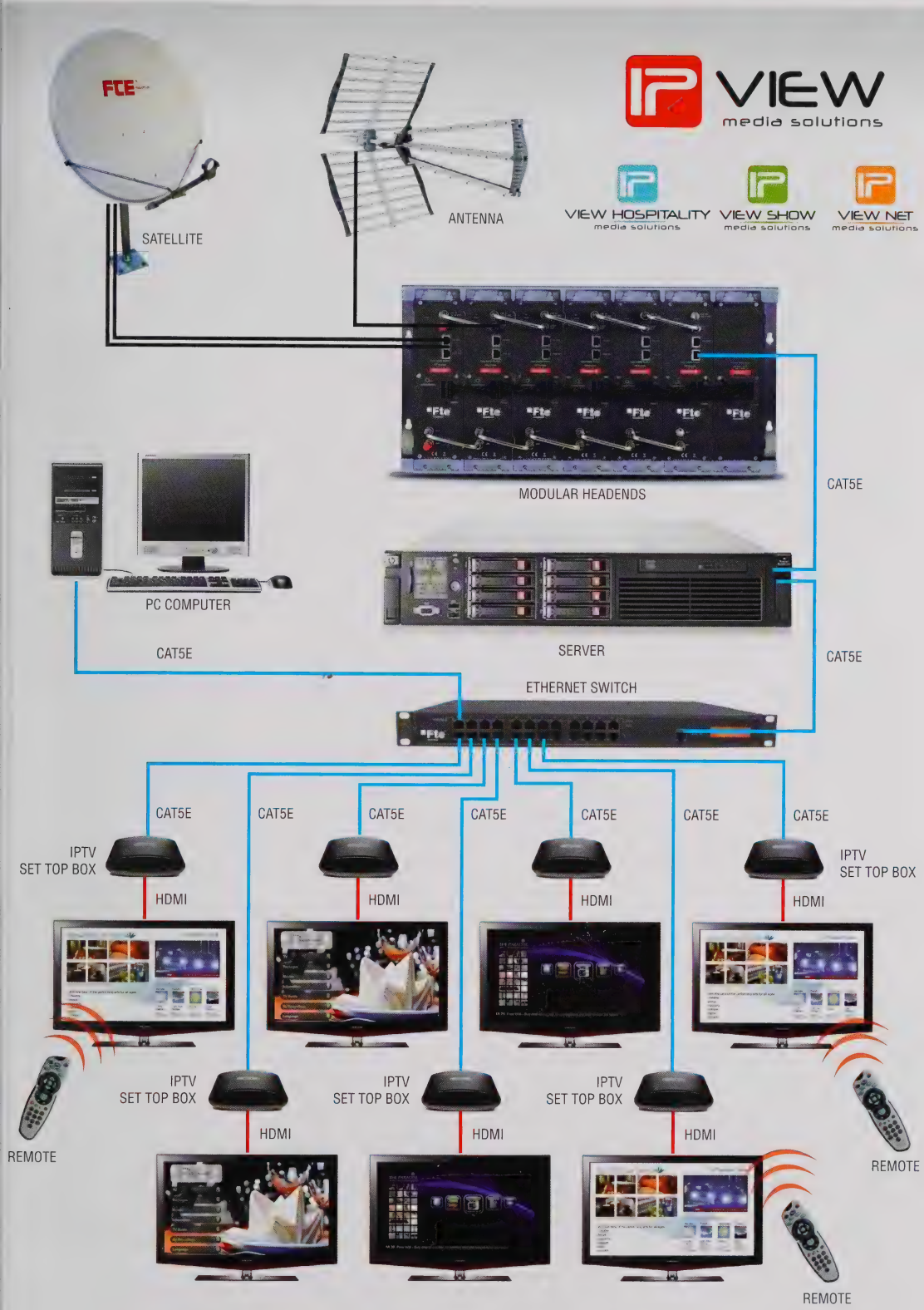
The dynamic digital signage provides an interesting platform for advertising and informative communication which offers the possibility of a high and quick return of the investment. Combining text, pictures, video and live TV broadcast, the attention of targeted audience is focused in the screen and results are much more efficient than traditional format.

IP VIEW media solutions IP VIEW NET media solutions

IPView Net

- Electronic program guide (EPG), showing channels and programs available
- during 7 days period
- Internet over TV
- Customized messaging service addressed to each subscriber
- VoD system and pay per view
- Advertising channels auto edit
- nPVR for recording contents online

IPView NET also allows implementing corporate networks that are required to supply real-time information to customers and employees of the company. Bank branches for communicating updated news about financial packages and conditions, as well as franchising retail network receiving information for head office about offers and targeted advertising to potential shoppers, are two examples of NET application business solution.


SATELLITE
ANTENNA
VIEW media solutions
VIEW HOSPITALITY media solutions
VIEW SHOW media solutions
VIEW NET media solutions
MODULAR HEADENDS
CAT5E
PC COMPUTER
SERVER
CAT5E
CAT5E
ETHERNET SWITCH
CAT5E
CAT5E
CAT5E
CAT5E
CAT5E
CAT5E
CAT5E
IPTV SET TOP BOX
HDMI
IPTV SET TOP BOX
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IPTV SET TOP BOX
REMOTE
IPTV SET TOP BOX
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IPTV SET TOP BOX
HDMI
HDMI
REMOTE
REMOTE

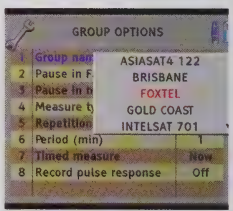
HDMI HIGH DEFINITION MULTIMEDIA INTERFACE

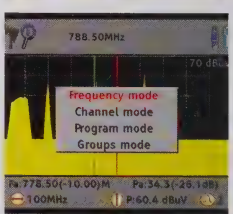
SUPERSPEED CERTIFIED USB

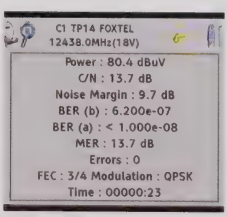
Super Lightweight 1.8kg

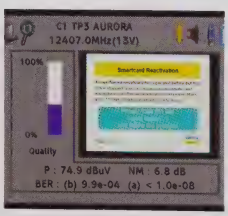
MediaMAX Mini High Definition Series

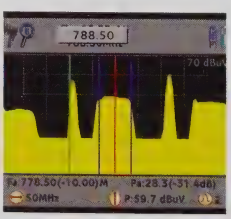
	MediaMAX Mini S2T HD	MediaMAX Mini S2 CT HD
Frequency (MHz)	47-862 / 900-2150	5-862 / 900-2150
Input impedance (Ω)	70	70
Measurement range (dBuV)	20 / 130	20 / 130
Digital standards	B/G (CCIR), B/G (DE), B/G (IT), M (PAL), /L' (France), I (UK), D/K/K' (OIRT), M/N (USA and Japan), B/B (Australia), D/K PAL	B/G (CCIR), B/G (DE), B/G (IT), M (PAL), /L' (France), I (UK), D/K/K' (OIRT), M/N (USA and Japan), B/B (Australia), D/K PAL
Analogue Measurements	Level, Video/Audio, C/N, videoline	Level, Video/Audio, C/N, videoline
Digital Measurements	Channel Power, BER, MER, Total Errors, C/N, Quality, Measurement Channels, Noise Margin	Channel Power, BER, MER, Total Errors, C/N, Quality, Measurement Channels, Noise Margin
Spectrum	Logarithmic	Logarithmic
Analogue Picture	Yes (Terr)	Yes (Terr)
Digital Picture	Yes (QPSK / COFDM)	Yes (QPSK)
Constellation Diagram	Yes (QPSK / 8 PSK)	Yes (QPSK / 8 PSK / QAM)
Spectrum Position	Horizontal	Horizontal
Dynamic Margin (dB)	50	50
Frequency resolution (KHz)	50	50
Demodulation Image	PAL, SECAM	PAL, SECAM
Satellite	Band C and Ku	Band C and Ku
Analogue Measurement accuracy	±1,5 dB a 25°C in TER ± 2 dB in SAT a 25°C	±1,5 dB a 25°C in TER ± 2 dB in SAT a 25°C
Decoder	Mpeg- 2 & Mpeg-4	Mpeg- 2 & Mpeg-4
Modulations	DVB-T (COFDM) DVB-T (COFDM) DVB-S (QPSK) DVB-S2 (QPSK and 8PSK)	DVB-T (COFDM) DVB-C (16, 32, 64, 128 and 256 QAM) DVB- S (QPSK) DVB-S2 (QPSK and 8PSK)
Monitor Size	TFT 6" Colour	TFT 6" Colour
Interface	USB 2.0 / IN A-V/ RS-232 / RJ 45 / HDMI	USB 2.0 / IN A-V/ RS-232 / RJ 45 / HDMI
Battery Type	Li-ion	Li-ion
Battery life (hrs)	2.5	2.5
Feeding LNB	5V, 13V, 18V, 13V + 22 KHz 18V+ 22 KHz	5V, 13V, 18V, 13V + 22 KHz 18V+ 22 KHz
Previous feeding	5V, 13V, 18V, 24V	5V, 13V, 18V, 24V
Dimensions (mm)	270x170x70	270x170x70
Weight (Kg)	1.8	1.8

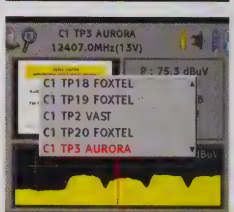






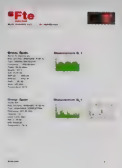






Screen shot examples using the MediaMAX MINI Series Meters.
Screen Shots may vary between models of field meters.

Edit the properties of a program



Graphical Report of the installations

Super Advanced Datalogger

MediaMAX Mini Series

The Mediamax Series feature a super datalogger that allows you to capture and store up to 4000 measurements if using the internal memory. If using USB it is unlimited. You can customise the reports to show Jpeg images of the spectrum, Mpeg picture and also the measurement's. You can easily select one button to datalog all. USB allows you the installer to customise the meter by editing your desired parametres and simply copying them across.

	MediaMAX Mini T	MediaMAX Mini S	MediaMAX Mini S2	MediaMAX Mini S2T
Frequency (MHz)	47-862	950-2150	950-2150	47-862, 950-2150
Input Impedence (Ohms)	75	75	75	75
Measurement Range (dBuV)	20 - 130	20 - 130	20 - 130	20 - 130
Digital Standards	QPSK	QPSK	8 PSK / QPSK	8 PSK / QPSK / COFDM / QAM emulated
Analogue Measurements	Level, Video/Audio, C/N	Level, Video/Audio, C/N	Level, Video/Audio, C/N	Level, Video/Audio, C/N, Video Loine
Digital Measurements	Channel Power, BER, MER, Total Errors, C/N, Quality, Noise Margin	Channel Power, BER, MER, Total Errors, C/N, Quality, Noise Margin	Channel Power, BER, MER, Total Errors, C/N, Quality, DVB-S2, Measurement Channels Noise Margin	Channel Power, BER, MER, Total Errors, C/N, Quality, DVB-S2, Measurement Channels Noise Margin
Spectrum	Logarithmic	Logarithmic	Logarithmic	Logarithmic
Analogue Picture	No	No	No	Yes (Terr)
Digital Picture	Yes (QPSK)	Yes (QPSK)	Yes (QPSK)	Yes (QPSK / COFDM)
Constellation Diagram	No	No	Yes (QPSK / 8PSK)	Yes (QPSK / 8PSK)
Spectrum Position	Horizontal	Horizontal	Horizontal	Horizontal
Dynamic Margin (dB)	50	50	50	50
Resolution Filters (MHz)	1	1	1	1
Monitor	TFT 5" Colour	TFT 5" Colour	TFT 5" Colour	TFT 5" Colour
Connectivity	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232	USB 2.0/ (IN-OUT A-V)/ RS-232
Data-Logger	Yes	Yes	Yes	Yes
Battery Duration (Hrs)	2,5	2,5	2,5	2,5
Dimensions (mm)	280x200x75	280x200x75	280x200x75	280x200x75
Weight (Kg)	1.8+ Transport Bag	1.8+ Transport Bag	1.8+ Transport Bag	1.8+ Transport Bag
Battery Type	Lithium-Ion	Lithium-Ion	Lithium-Ion	Lithium-Ion
Decoder MPEG-2	Included	Included	Included	Included
Feeding LNB	13V, 18V, 13V+22KHz 18V+22KHz	13V, 18V, 13V+22KHz 18V+22KHz	13V, 18V, 13V+22KHz 18V+22KHz	13V, 18V, 13V+22KHz 18V+22KHz
Diseqc	System 1.2	System 1.2	System 1.2	System 1.2
Battery Charger	20V/2,5 A	20V/2,5 A	20V/2,5 A	20V/2,5 A

Car Charger for Field Meters

CVC 1220

Compatibility	MediaMAX EVO and MINI Series
Max. Output Current (A)	3,5
Input voltage (VDC)	12 - 13,8
Output Voltage (VDC)	30
Dimensions (mm)	160x72x29
Weight (g)	335

Programmer for Headends

PRO 201

Features	Protocol 12C, Display 20x4 Characters DB-9 Male Connector RJ45 Memory Card SD (FAT 16), Max. Upgradable through SD & RS-232
Capacity (GB)	2
Feeding (VDC)	12-14
Consumption (mA)	20

Steel Offset Satellite Dish - 60cm / 80cm

QR58SB / QR80SB

60cm and 80cm steel offset satellite dish Ku Band Fixed Suitable for Optus C1, Optus B3, NSS6, Pas 8 and more.

Diameter (cm)	60 or 80
Frequency margin (GHz)	10.7 - 12.75
Reflector Material	Galvanised Steel
Support Material	Galvanised Steel
Gain (dB)	10.7-11.7 GHz - 35.0 11.7-12.75 GHz - 35.5

Aluminium Satellite Dish 80cm

PR80AG

80cm aluminium offset satellite dish. Lightweight makes this dish ideal for travelling, or areas prone to salt.

Diameter (cm)	80
Frequency margin (GHz)	10.7 - 12.75
Reflector Material	Aluminium
Support Material	Galvanised Steel
Gain (dB)	10.7-11.7GHz - 37.2 11.7-12.75GHz - 37.7

Single LNB

LNBF6

Pay-TV APPROVED

Outputs	1
Local Oscilator (GHz)	10.7
Input frequency (MHz)	10650-12750
Output frequency (MHz)	950-2050

Twin LNB

LNBFTU

Pay-TV APPROVED

Outputs	2
Local Oscilator (GHz)	10.7
Input frequency (MHz)	10650-12750
Output frequency (MHz)	950-2050

Quad LNB

LNBFQUW1

Pay-TV APPROVED

Outputs	4
Local Oscilator (GHz)	10.7
Input frequency (MHz)	10650-12750
Output frequency (MHz)	950-2050

Satellite Prewire Diagram

Prewire satellite TV in your house.

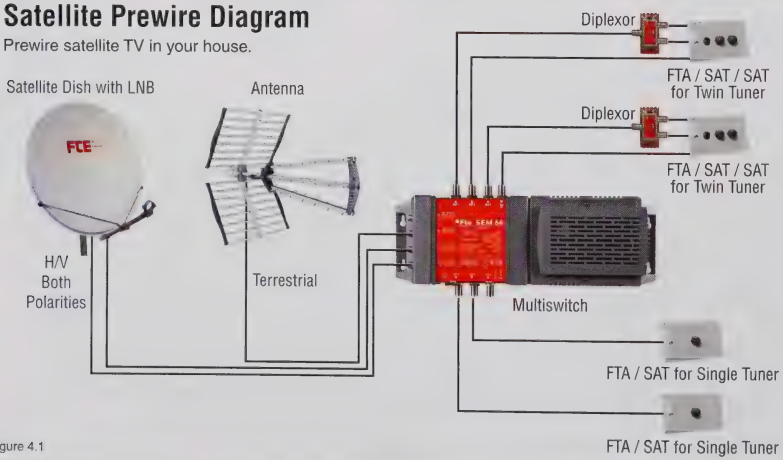
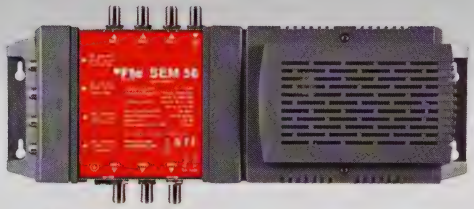


Figure 4.1

We use multiswitch's for satellite TV to allow both polarities Horizontal/Vertical, to be viewed without interruption by other satellite decoders in your system. Your satellite decoder outputs both 14vDC and 18vDC to select each voltage/polarity. If multiple decoders are selecting different voltages then you can't select your desired channel. Therefore feeding both polarities from your dish using a a twin or quad output LNBF into a multiswitch, allows each decoder to select each voltage independent. Added input for your terrestrial antenna allows you to send both satellite and terrestrial TV down one cable, using a diplexor at the end to split both terrestrial and satellite frequencies out.

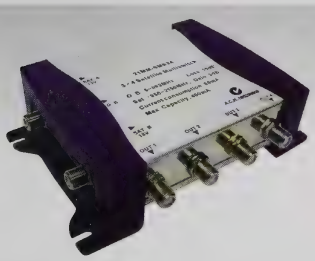
5 Input Active Multiswitch - 16 Output / 24 Output / 32 Output

	SEM516	SEM524	SEM532
Inputs / Outputs	5 / 16	5 / 24	5 / 24
Band Frequencies (MHz)	-	5 - 65 (Passive)	5 - 65 (Passive)
Loss (dB)	-	28 ± 2	30 ± 2
Isolation (dB)	-	>25	>25
Band Frequencies (Switch Active / Passive) (MHz)	47 - 862 / 5 - 862	47 - 862 / 5 - 862	47 - 862 / 5 - 862
Loss (dB)	0 ± 2 / 24	1 ± 2 / 30 ± 2	0 ± 1 / 30 ± 2
Output level (dBuV)	95 / -	95 / -	95 / -
Isolation (dB)	>20	>20	>20
Adjustment (dB)	-	10	10
Band Frequencies (MHz)	950 - 2400	950 - 2400	950 - 2400
Loss (dB)	0 ± 2	0 ± 2	0 ± 2
Output level (dBuV)	95	95	95
Isolation (dB)	>20	>20	>20
Max Consumption (mA)	500	500	500



5 Input Active Multiswitch - 6 Output / 8 Output / 12 Output

	SEM56	SEM58	SEM512
Inputs / Outputs	5 / 6	5 / 8	5 / 12
Band Frequencies (Switch Active / Passive) (MHz)	47 - 862 / 5 - 862	47 - 862 / 5 - 862	47 - 862 / 5 - 862
Loss (dB)	0 ± 2 / 20	0 ± 2 / 21	0 ± 2 / 23
Output level (60 dB IMA3) (dBuV)	95	95	95
Isolation (dB)	>20	>20	>20
Band Frequencies (MHz)	950 - 2400	950 - 2400	950 - 2400
Loss (dB)	0 ± 2	0 ± 2	0 ± 2
Output level (60 dB IMA3) (dBuV)	105	105	95
Isolation (dB)	>20	>20	>20
Max Consumption (mA)	500	500	500

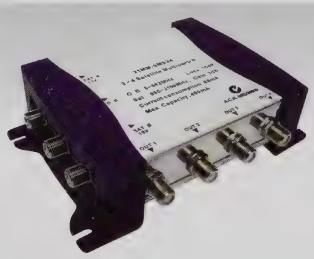


Pay-TV APPROVED

2 Input Multiswitch - 4 Output / 8 Output

AMS2-4 / AMS2-8

Inputs	2
Outputs	4 or 8
Frequency FTA (MHz)	5 - 862
Frequency Sat (MHz)	90 - 2150
Gain (dB)	3
Insertion Loss Ter. (dB)	15 - 18
Max LNB Current (mA)	400



Pay-TV APPROVED

3 Input Multiswitch - 4 Output / 8 Output

AMS3-4 / AMS3-8

Inputs	3
Outputs	4 or 8
Frequency FTA (MHz)	5 - 862
Frequency Sat (MHz)	90 - 2150
Gain (dB)	3
Insertion Loss Ter. (dB)	15 - 18
Max LNB Current (mA)	400

HD ready

UL APPROVED

digital life

Television Coaxial Cable

High quality quadshield coaxial cables, reverse Meter Marked. Super feed pull box so there is no kinking or coiling. Suitable for any television purpose.

	DLRG6QB	DLRG6QBR	DLRG11Q
Packaging	305m Pull Box	305m Timber Reel	305m Timber Reel
Centre Conductor	Copper Clad Steel Wire	Copper Clad Steel Wire	Copper Clad Steel Wire
Centre Conductor Diameter (mm)	1.02	1.02	1.63
Dielectric Material	Foamed HD Polyethylene	Foamed HD Polyethylene	Foamed HD Polyethylene
Dielectric Diameter (mm)	4.57	4.57	7.11
LST Material	Bonded Al Foil	Bonded Al Foil	Bonded Al Foil
LST Thickness (Microns)	60	60	60
Core Diameter (mm)	4.78 ± 0.13	4.78 ± 0.13	4.78 ± 0.13
Braid	Al Alloy Wires	Al Alloy Wires	Al Alloy Wires
Min. Braiding Coverage	40%	40%	40%
Sheath (Jacket) Material	PVC	PVC	PVC
Sheath (Jacket) Thickness (mm)	0.86	0.86	0.94
Overall Diameter (mm)	7.54 ± 0.2	7.54 ± 0.2	10.03 ± 0.2

RG6 **Attenuation @ 20°C (dB/100m)**

5 Mhz	1.90
55 Mhz	5.25
211 Mhz	10.00
250 Mhz	10.82
270 Mhz	11.04
300 Mhz	11.64
330 Mhz	12.26
350 Mhz	12.63
400 Mhz	13.61
450 Mhz	14.43
500 Mhz	15.29
550 Mhz	16.08
600 Mhz	16.73
750 Mhz	18.54
870 Mhz	20.04
1000 Mhz	21.49
1450 Mhz	26.25
1750 Mhz	28.67
2050 Mhz	31.04

RG11 **Attenuation @ 20°C (dB/100m)**

5 Mhz	1.25
55 Mhz	3.15
211 Mhz	6.23
250 Mhz	6.72
270 Mhz	7.00
300 Mhz	7.38
330 Mhz	7.71
350 Mhz	7.94
400 Mhz	8.53
450 Mhz	9.02
500 Mhz	9.51
550 Mhz	9.97
600 Mhz	10.43
750 Mhz	11.97
870 Mhz	13.31
1000 Mhz	14.27
1350 Mhz	16.00
1550 Mhz	17.42
1770 Mhz	19.58
2150 Mhz	21.61

HD ready

UL APPROVED

digital life

Serial Digital Cable

Digital Life Serial Digital Cable has been developed to meet the growing needs for the High Definition market. Made from the highest quality copper center conductor with tinned copper outer braid. Meeting UL standards you can be assured of excellent quality. Suitable for house pre-wires for both Audio and Video.

	DLSDIC	RGBHDC
Packaging	100m Roll Clear	100m Roll RGB
Centre Conductor	Bare Copper Wire (AWG20)	Bare Copper Wire (AWG20)
Centre Conductor Diameter (mm)	0.81 ± 1%	0.81 ± 1%
Dielectric Material	Foamed HD Polyethylene	Foamed HD Polyethylene
Dielectric Diameter (mm)	3.66	3.66
LST Material	Bonded Al Foil	Bonded Al Foil
LST Thickness (Microns)	60	60
Core Diameter (mm)	3.86 ± 0.13	3.86 ± 0.13
Braid	Tinned Copper	Tinned Copper
Min. Braiding Coverage	60%	60%
Outer Core	--	Calcium Carbonate
Sheath (Jacket) Material	PVC	PVC
Sheath (Jacket) Thickness (mm)	0.8	0.8
Overall Diameter (mm)	6.10 ± 0.2	16.00 ± 0.5

Serial Digital Cable **Attenuation @ 20°C (dB/100m)**

5 Mhz	2.82
55 Mhz	6.73
211 Mhz	12.47
250 Mhz	13.45
270 Mhz	13.85
300 Mhz	14.60
330 Mhz	15.29
350 Mhz	15.57
400 Mhz	16.73
450 Mhz	17.72
500 Mhz	18.70
550 Mhz	19.52
600 Mhz	20.34
750 Mhz	22.87
870 Mhz	24.85
1000 Mhz	26.64

TECH TIP

YouTube Watch the Video on How to Terminate RG59

Scan the barcode into your smartphone or visit : http://goo.gl/n5YSp

APPROVED

digital life

Speaker Cable

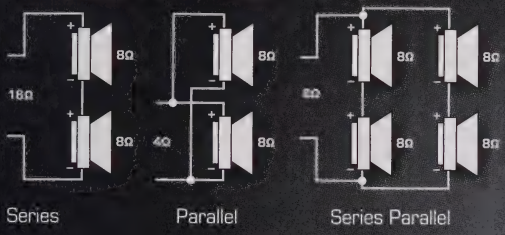
For any home theatre or professional audio system use Digital Life® TRADE MADE Speaker Cable. We use the highest copper purities. Copper still mined from Mount Isa. The purest in the world. Oxygen Free and made to the international UL standards.

99.9% OXYGEN FREE

	XT1	XT2	XT2/100	XT4	XT4/100
Packaging	100m Roll	152m Pull Box	100m Roll	152m Pull Box	100m Roll
Centre Conductor	Bare Copper Wire (AWG18)	Bare Copper Wire (AWG16)	Bare Copper Wire (AWG16)	Bare Copper Wire (AWG16)	Bare Copper Wire (AWG16)
Core Diameter (mm)	41 x 0.16	64 x 0.16	64 x 0.16	64 x 0.16	64 x 0.16
Sheath (Jacket) Material	Clear PVC	PVC	PVC	PVC	PVC
Sheath (Jacket) Thickness (mm)	1.375	0.4	0.4	0.4	0.4
Outer Sheath (Jacket) Material	--	Yellow PVC	Yellow PVC	Yellow PVC	Yellow PVC
Outer Sheath (Jacket) Thickness (mm)	--	0.4	0.4	0.8	0.8
Overall Diameter (mm)	2x4.00 ± 0.13 White Trace	5.44 ± 0.5 Red / Black	5.44 ± 0.5 Red / Black	6.94 ± 0.5 Red / Black / Green / White	6.94 ± 0.5 Red / Black / Green / White

TECH TIP

Speaker Circuits

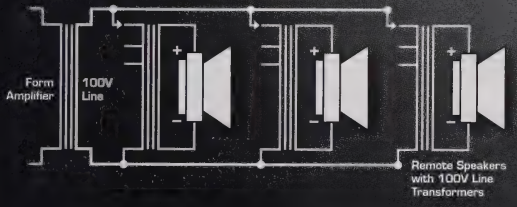


Wiring speakers in series: Speakers in series double the nominal speaker impedance, ie two 8Ω speakers become 16Ω. Typically used in band PA speaker boxes, nightclub speaker systems. DJs' systems and car audio systems.

Wiring speakers in parallel: Speakers in parallel halve the nominal speaker impedance, ie two 8Ω speakers become 4Ω. Typically used in band PA speaker boxes, nightclub speaker systems, DJ's systems and car audio systems.

Wiring speakers in series parallel: Speakers wired in series parallel are used to maintain the same impedance as a single driver. ie four 8Ω speakers wired in this configuration represents an 8Ω load to the amplifier. This arrangement sustantially increases the total SPL of the system compared to one single driver.

100v Speaker Systems



Wiring speakers in parrallel for 100V line: Where several speakers are to be used at one time, on one circuit, it becomes necessary to use speakers fitted with line-matching transformers. This is to overcome the effects of connecting speakers in parrallel and cable losses. The amplifier generally has an output voltage of 100 volts. In this configuration the total wattage load on the amplifier is derived from adding all the line transformer primary tap ratings together. For example, 70 one watt speakers will have a total speaker load of 70 watts. Or alternatively, it is conceivable to connect 100 one watt speakers to a 100 watt , 100 volt line amplifier.

Measuring 100V Line Speaker Impedance: To measure amplifier system load, you must use an impedance meter in order to measure the AC resistance of the connected speaker network. Impedance cannot be measured with a standard multimeter, as this measures the DC resistance.

F-Type Barrel (f-f)
CONAF81

F-Type Barrel 2.45Ghz (f-f)
CONBARREL

F-Type 90° (m-f)
CONAF81RPS

F-Type 90° (f) to PAL (m)
CONPA52U

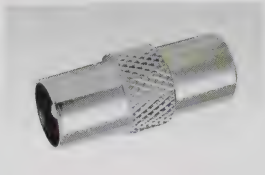
RCA (m) to F-Type (f)
CONPA35U

F-Type (m) to RCA (f)
CONPA37U

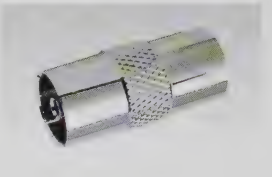
Quick F-Type to F-Type (f)
CONPA39U

F-Type (m-m)
CONPA36U

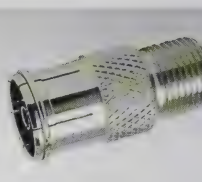
Terminator F-Type 750Ω
DLAV118



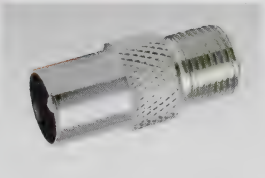
PAL (m-m)
CONRZ59



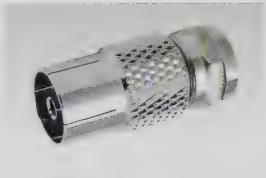
PAL (f-f)
CONRZ60



PAL (f) to F-Type (f)
CONPA33U

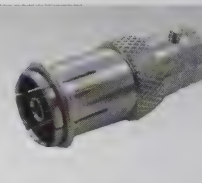


F-Type (f) to PAL (m)
DLPA32U

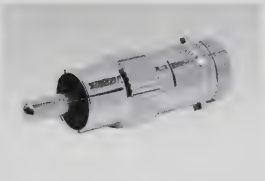


F-Type (m) to PAL (f)
CONPA31U

F-Type (m) to PAL (m)
CONPA34U



PAL (f) to BNC (f)
CONPA27U



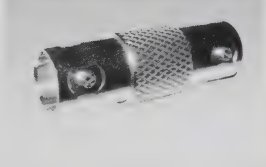
RCA (m) to BNC (f)
CONBNC6AU

BNC (m) to F-Type (f)
CONPA28U

BNC (m) to RCA (f)
CONBNC6U

PAL (m) to BNC (f)
CONPA25U

BNC (m) to PAL (f)
CONPA26U



BNC (f-f)
CONBNCJ

TECH TIP

Don't see the Adapter you want?
Call us today to find it!

Multi Compression Tool
CT01

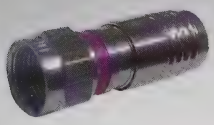
This Multi-Tool will suit most types of compression connector. Comes with 4 interchangeable dies to suit various types of connectors.

Crimping Tool
HT106M

Designed for crimping RG59 & RG6 connectors. Rugged construction for the Tradesperson.

Professional Cable Stripper
AS-3106

Professional cable stripper for RG/U 6, 58, 59, 62, 3C2V, 5C2V etc. Designed to leave 6mm braid and 6mm exposed conductor.

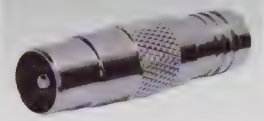


Uses CT01 Tool

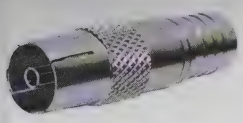
RG59 F-Type Compression
CON59FCOMP

RG59 F-Type Crimp
CON59FCR

RG59 BNC Crimp
CONBNC59C



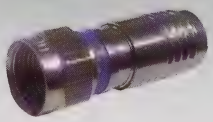
RG59 PAL Male Crimp
CONP1



RG59 PAL Female Crimp
CONP3

Uses CT01 Tool

RG59 RCA Compression
DLRCA59COMP

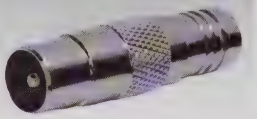


Uses CT01 Tool

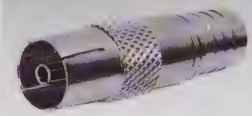
RG6 F-Type Compression
DLRG6FCOMP

RG6 F-Type Crimp
AF6QC

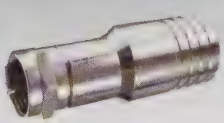
RG6 BNC Crimp
CONBNC6CR



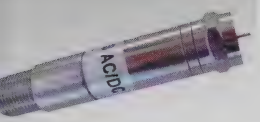
RG6 PAL Male Crimp
CONP2



RG6 PAL Female Crimp
CONP4



RG11 F-Type Crimp
CON11FCR



F-Type Attenuator
ATF3PP - 3dB
ATF6PP - 6dB
ATF10PP - 10dB
ATF12PP - 12dB
ATF16PP - 16dB
ATF20PP - 20dB

PAL Attenuator
AT0003 - 3dB
AT0006 - 6dB
AT0012 - 12dB
AT0018 - 18dB

F-Type Variable Attenuator
DS2150F

Band (MHz) 47 - 2150 + C.C.
Margin (dB) 3-16
Connectors Fast F Male / F Female

TECH TIP

YouTube Watch the Video on How to Terminate Cables

Scan the barcode into your smartphone or visit : http://goo.gl/n5YSp

AMPHENOL

5 Pin (f)
AC5F

AMPHENOL

5 Pin (m)
AC5M

AMPHENOL

XLR Plug Solder (f)
AC3F

AMPHENOL

XLR Plug Solder (m)
AC3M

AMPHENOL

6.35mm Mono Plug
ACPM-GN

AMPHENOL

6.35mm 90° Mono Plug
ACPM-RN

AMPHENOL

6.35mm Stereo Plug
ACPS-GN

AMPHENOL

6.35mm 90° Stereo Plug
ACPS-RN

NEUTRIK

XLR Plug Solder (f)
NC3FX

NEUTRIK

XLR Plug Solder (m)
NC3MX

NEUTRIK

Speakon 2 Pin Plug
NP2C

NEUTRIK

Speakon 4 Pin Plug
NP3C

NEUTRIK

6.35mm Mono Plug
NP2RCS

NEUTRIK

6.35mm Stereo Plug
NTP3RC

NEUTRIK

6.35mm 90° Mono Plug
NL2FC

NEUTRIK

6.35mm 90° Stereo Plug
NL4FX

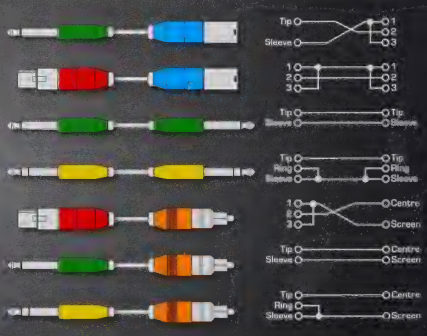
TECH TIP

Audio Lead Wiring

The following are commonly used audio lead configurations including pin out information. For XLR leads please follow the markings provided on the plug to determine pin number.

- 3 pin XLR Male
- 3 pin XLR Female
- 6.35mm Stereo Jack
- 6.35mm Mono Jack
- RCA Male
- 3 Pin Mini XLR

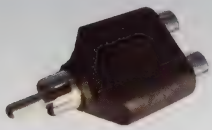
Unbalanced leads



RCA to RCA Single
DL6031A

RCA to RCA Double
DL6031B

RCA to RCA Triple
DL6031C



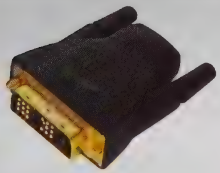
RCA Double to RCA (m)
DL6031D

S Video to Composite RCA
RCASVHS

Toslink to Toslink
OFJ

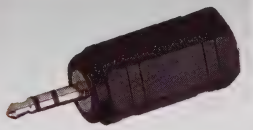
Scart to Component
DL6662

Scart to RCA with Switch
DLSCARTRCA

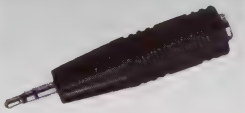


HDMI to DVI-D
HDA3

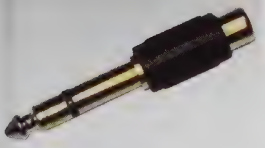
3.5mm to 6.35mm Stereo
AD212



6.35mm to 3.5mm Stereo
AD122



3.5mm to 2.5mm Stereo
AP150



RCA Mono to 6.35mm
AP30

RCA to 3.5mm Stereo
AD8B

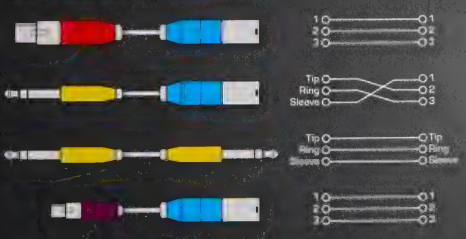
Banana Plug Black
ZP0291

Banana Plug Red
ZP0290

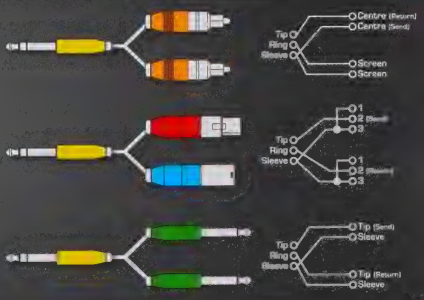
TECH TIP

Audio Lead Wiring Continued

Balanced leads



Insert Leads / Dual End Leads



NOTE: Mini XLR wiring configurations differ according to manufacturer. please check with the manufacturer of your equipment before wiring mini XLR

digital life

Volume Control

AC-60

When in OFF position the AC-60 is open circuit (there is no load on the amplifier). 6 steps 60W

AC-60 Pre-wire

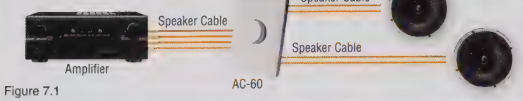


Figure 7.1

VGA Plate with Tail (f-f)
WP-VGA

USB Plate with Tail (f-f)
WPC-USB

VGA with 3.5mm Audio
WP-VGAAS

VGA with 3.5mm 90° Audio
WP-VGAAR

BEST SELLER

Brush Plate
WP-BRUSH

Small Bullnose Plate
WPC-SMBNB

Large Bullnose Plate
WPC-BNB

Single Gang Plate
WPC-GANG1

Double Gang Plate
WPC-GANG2

Triple Gang Plate
WPC-GANG3

Four Gang Plate
WPC-GANG4

Six Gang Plate
WPC-GANG6

F-Type Skirting Plate
WP2FU

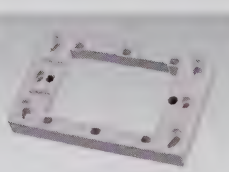
PAL Skirting Plate
WP-SKIRPAL

PAL Wallplate
WP-PAL

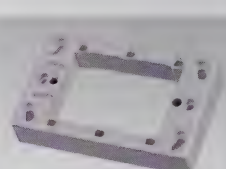
F-Type Wallplate
WP-F-PLATE

PAL and F-Type Wallplate
WP1FBLU

Plaster C-Clip
WP-PLASTER



15mm Mounting Block
WP-MT



35mm Mounting Block
WP-MTH

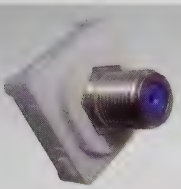
Speaker Bind Black
WPC-BINDBLK

Speaker Bind Red
WPC-BINDRED

3.5mm Stereo Audio Insert with Tail
WPC-3.5MM

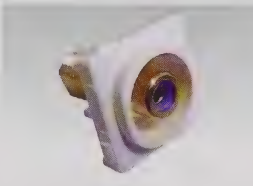
USB Insert with Tail
WPC-USBM

HDMI Insert with Tail
WPC-HDMITAIL



F-Type (f-f)
WPC-F-F

PAL to F-Type
WPC-F-PAL



RCA to F-Type Blue
WPC-RCA-FBLUE

RCA to F-Type Yellow
WPC-RCA-FYELLOW

RCA to F-Type Red
WPC-RCA-FRED

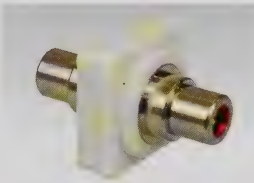
RCA to F-Type Black
WPC-RCA-FBLK

RCA to F-Type White
WPC-RCA-FWHITE

RCA to F-Type Green
WPC-RCA-FGREEN

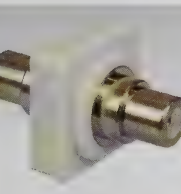
RCA to RCA Blue
WPC-RCABLUE

RCA to RCA Yellow
WPC-RCAYELLOW



RCA to RCA Red
WPC-RCARED

RCA to RCA Black
WPC-RCABLACK



RCA to RCA White
WPC-RCAWHITE

RCA to RCA Green
WPC-RCAGREEN

Cat5e RJ45
WPC-CAT5

Blank Insert
WPC-BLANK

All Inserts and mechs shown are Clipsal™ Style Wall Plate Inserts. Clipsal™ is a registered trademark of Schneider Electric. All Gang Wall plates are suited to Clipsal™ insert mechs.

TECH TIP

Do it over CAT5e The Digital Life Video/Audio wallplates allow for transmission of signal across Cat5e cables. Great for sending Pay Tv or DVD from one room to another. The Infrared units allow for changing channels.

Composite/Component Video and Stereo/Digital Audio with IR

DLC1254D

Send Pay Tv Foxtel or Austar to another room with this Cat5e solution. Included is Infrared which allows you to change channel or control the source. Provides additional input for another source e.g a DVD or Bluray player so as you can also see it another room. Using simple Cat5e or Cat6, it makes sending Video and Audio easy.

Cat5e with Infrared Control Diagram

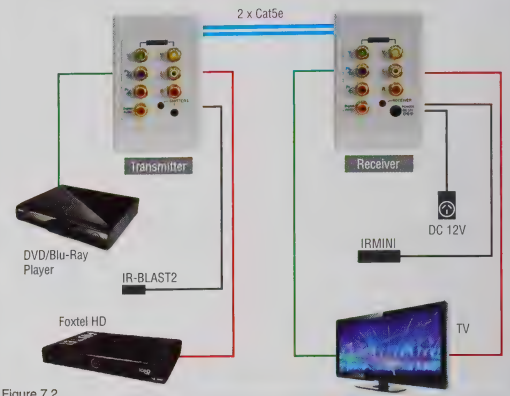
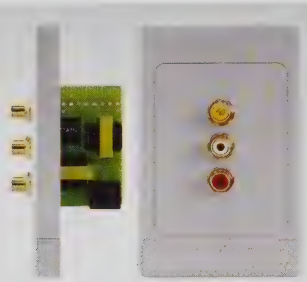


Figure 7.2



Composite AV over Cat5e

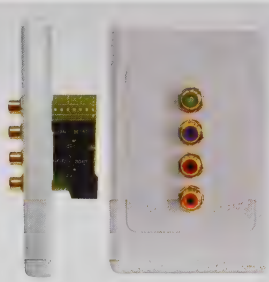
DLCCOMP

Composite Video with Stereo Audio Extender uses economic CAT5E cable to extend composite video up to 100 meters. Connected on the rear using RJ45 Connecters this provides a secure plug and play connection. No power supplies are required and the Clipsal Style plates are designed to fit any wall cavity.

VGA with Audio over Cat5e

DLCVGAA

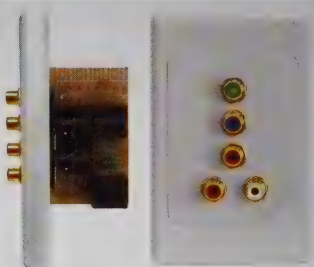
VGA & PC Audio Over Single Cat 5 Wall Plate is the next step in the evolution of the home theater and residential video components. This module will provide crystal clear pictures over long distances Up to 120m utlizing economical Cat5e cable. The Clipsal Style plates are designed to fit any wall cavity.
***NOTE : Max resolution 1280x1024 @ 60m**



Component Video with Digital Audio over Cat5e

DLCRGBA

Component Video with Digital Coaxial Audio Extender uses economic CAT5E cable to extend 1080P video up to 50 meters and 720P video up to 75 meters. Connected at the rear using RJ45 Connecters this provides a secure and plug and play connection. No power supplies are required and the clipsal style wallplates are designed to fit any wall cavity.



Component Video and Stereo Audio over Cat5e

DLCRGBDSA

Wallplate simply connects via Cat5e cable. You input and output via RCA cable, and simply plug in the Cat5e at the rear via RJ45 Connections. Tested up to 30m to pass 1080i resolution video and 100m for digital audio. No power supplies or other active components required. Slim in design they will fit any wall cavity.

Custom Wallplates

Made to Order. You Choose BRAND, CONNECTIONS, LABELS & LOGO

We can make, almost any wallplate you choose. Be it a Clipsal, HPM, or even Hager blu, we can make it to suit your project. Pick your plate style. Then pick the connections you need. Then choose if you want it labelled or not and if you want your own branding.

Many clients don't understand every connector they need or want. We are here to help. Drop us a call and we'll walk you through your requirements. If you know what you want, then fax or email us your drawing or design. Call us if your not sure. Bulk Quantities are a speciality. Most standard connectors can be ordered off the shelf from our pre-made insert (mech) range (see pages 31 & 32.) If these don't suit we can make it for you.

Popular options include USB, VGA, HDMI, Optical, 3.5mm stereo plus many, many more.

Example Shown : Clipsal Slimline 2000 Series Chrome Shadow with 1xF-Type, 3xRCA and 2xHDMI, 1xVGA with tails for easy connection.

Ordering is Easy....

1. Choose the Base Wallplate

CLIPSAL HPM :hager

2. Choose the Connectors

HDMI • RCA • USB • RS232 • Optical • Data
XLR/Speakon • VGA • DVI • Speaker • 3.5mm Audio

3. Choose the Labels

Identify each connection with a label of the connection type or the purpose of the connection.
eg. Label a HDMI connection 'HDMI 1' or 'Boardroom'

4. Brand your Wallplate

By putting your logo, phone number or website details on your custom made plate. You ensure repeat business for servicing or future works. A great marketing tool for your business.

All wall plates are supplied completely assembled and labelled. If you are not sure whether all of your connectors will fit onto one plate then Contact Us for advice. Clipsal™ is a registered trademark of Schneider Electric, H.P.M.™ is a registered trademark of Legrand Australia Pty Ltd, Hager™ is a registered trademark of Hager B & R Pty Ltd.

RCA Composite AV

DLRCA15 - 1.5m
DLRCA3 - 3.0m

S Video

CABSVHS15 - 1.5m
CABSVHS25 - 2.5m
CABSVHS8 - 8.0m
CABSVHS16 - 16.0m

Component

XPC315 - 1.5m
XPC33 - 3.0m
XPC35 - 5.0m
XPC310 - 10.0m

VGA (m-m)

VGA-VGA2 - 2.0m
VGA-VGA5 - 5.0m
VGA-VGA10 - 10.0m
VGA-VGA20 - 20.0m
VGA-VGA30 - 30.0m

TECH TIP

Digital Life® TRADE MADE leads are exactly that.

We increase the specifications of our cables to meet demanding trade conditions. We add more copper, increase the cable size, change the connector and we add gold connectivity. As supporters of the trade, we ensure you'll be happy installing Digital Life® TRADE MADE. They don't look fancy, but they work. Life time Guarrantee or your money back. Don't get caught out with cheap, when you can buy a product that works. A fair price for a great job, you'll be happy with any of our leads.

Don't see a cable here in this catalogue? That's becuase we can't fit them all in. Call us today with your special requirement. We have it, if not, we can custom make it. Yes we know how to make the cables you install, do you?
Jump on line today, visit our website, and see training videos of how you can make your own. We have the tools, the raw cable and connectors. Make them any length you want. Teach yourself and save a few bucks.

RCA Audio

DL2RCA15 - 1.5m

Toslink / Optical

XPT18 - 1.8m
XPT3 - 3.0m
XPT5 - 5.0m
XPT10 - 10.0m

RCA Subwoofer / Digital

XPSUB15 - 1.5m
XPSUB3 - 3.0m
XPSUB5 - 5.0m
XPSUB10 - 10.0m

3.5mm Stereo (m-m)

DL35SMM - 3m
35DDMM10 - 10.0m

3.5mm Stereo (m-f)

DL35SMF - 3m
DL35SMF10 - 10.0m

3.5mm Stereo to RCA

DL35SRCA - 1.5m

HDMI® HIGH-DEFINITION MULTIMEDIA INTERFACE

Blu-ray 3D

HDMI HIGH SPEED with ETHERNET

Full HD 1080P

digital life

Digital Life® Custom HDMI - 10.2 Gbp/s

XPH41 - 1.0m
XPH42 - 2.0m
XPH43 - 3.0m
XPH5 - 5.0m
XPH10 - 10.0m
XPH15 - 15.0m

Quality Gold Connectivity. Extreme Performance HDMI Series HDMI Transfers uncompressed digital audio & video, leading to the best digital signal possible 1080p

HDMI, as the single connection for everything HD, now has a parallel Ethernet channel to allow high-speed, bi-directional communication. Now, with one cable, all devices can be connected to each other to talk to each other.

Why is this important? HDMI can now extend IP applications deeper into the home theater stack. As well, this transport will allow manufacturers to develop all kinds of beneficial applications that will allow devices to do things they've never been able to do before.

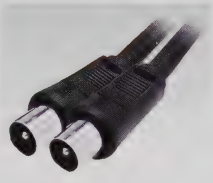
HDMI Version	1.0	1.1	1.2 1.2a	1.3	1.3a 1.3b 1.3b1 1.3c	1.4 1.4a
sRGB	●	●	●	●	●	●
YCbCr	●	●	●	●	●	●
8 channel LPCM, 192 kHz, 24 bit audio capability	●	●	●	●	●	●
Blu-ray Disc and HD DVD AV at full resolution	●	●	●	●	●	●
Consumer Electronic Control (CEC)	●	●	●	●	●	●
DVD-Audio support	●	●	●	●	●	●
Super Audio CD (DSD) support	●	●	●	●	●	●
Deep Colour	●	●	●	●	●	●
xvYCC	●	●	●	●	●	●
Auto lip-sync	●	●	●	●	●	●
Dolby TrueHD bitstream capable	●	●	●	●	●	●
DTS-HD Master Audio bitstream capable	●	●	●	●	●	●
Updated list of CEC commands	●	●	●	●	●	●
3D over HDMI	●	●	●	●	●	●
Ethernet channel	●	●	●	●	●	●
Audio return channel (ARC)	●	●	●	●	●	●
4K x 2K resolution support	●	●	●	●	●	●

Pay-TV APPROVED
A101043 to A101049

2xRCA Female to RCA Male Flylead
SAC107UP

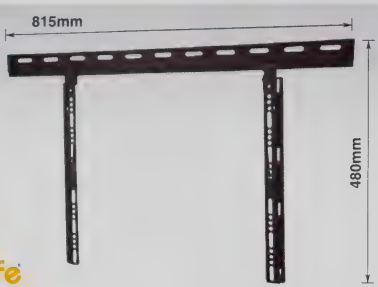
2xRCA Male to RCA Female Flylead
SAC109UP

F-Type Flylead
FLYLEAD-M-MF



PAL Flylead
FLYLEADM-M PAL

PAL Flylead 1.8W
FLYLEAD M-M1.8W

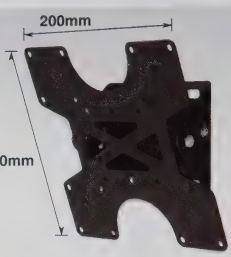


LED Super Slim Bracket for 32- 85" Screens

DLPLB125B

- For 32" - 85" Screen LED
- Max Weight 80kg
- Max VESA: 800x400
- Super slim 10mm off wall
- Black

VESA COMPLIANT
Max VESA: 800x400



LCD Bracket with Tilt for 17-37" Screens

DLLCD113

- For 17" - 37" Screen
- Max Weight 35kg
- Max VESA: 200x200
- Mounts 55mm from wall
- -25° to +18° tilt
- Security locking bar
- Black

VESA COMPLIANT
Max VESA: 200x200

Projector Ceiling Mount

H8131A

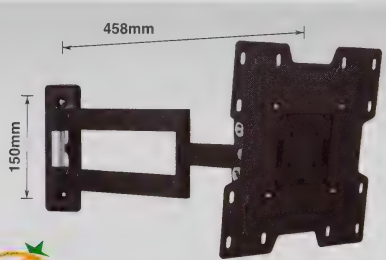
- Projector Ceiling Mount
- Max Weight 15kg
- 30° Adjustment with 360° Rotation
- Available in Black or White

Articulated Bracket for 17-37" Screens

DLS2

- For 17" - 37" Screen
- Max Weight 25kg
- Max VESA: 200x200
- -15° to +15° tilt
- Black

VESA COMPLIANT
Max VESA: 200x200

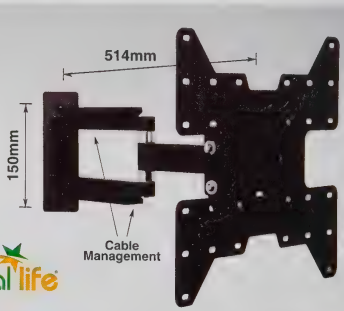


Articulated Bracket for 17-37" Screens

LCD2703

- For 17" - 37" Screen
- Max Weight 25kg
- Max VESA: 200x200
- -15° to +15° tilt
- Black

VESA COMPLIANT
Max VESA: 200x200



Articulated Bracket for 32-52" Screens

LCD3803

- For 32" - 52" Screen
- Max Weight 45kg
- Max VESA: 300x300
- -15° to +15° tilt
- Black

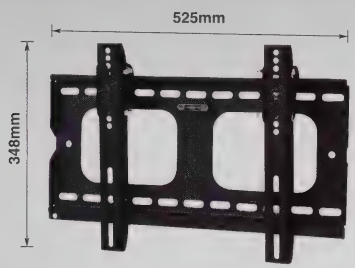
VESA COMPLIANT
Max VESA: 300x300

*** 52" Screen must have VESA 300x300**

TECH TIP

Digital Life® TRADE MADE Brackets.

This Digital Life® TRADE MADE Plasma/LCD/LED TV wall mounted bracket will stand the test of time. Durable powder coated finish, 2mm rolled steel, VESA standard compliant, mounting hardware and user manual included. The security padlock included ensures peace of mind from theft.



digital life

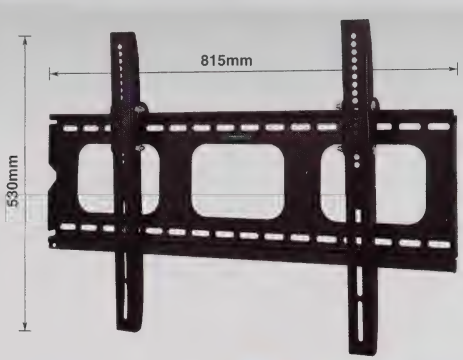
PADLOCK INCLUDED

VESA COMPLIANT
Max VESA: 480x320

Universal 23-37" Plasma/LCD Wall Mount

PLB102S

- For 23" - 37" Screen
- Max Weight 45kg
- Max VESA: 480x320
- Mounts 25mm from wall
- 0° - 5° Tilt Optional
- Security locking bar with padlock
- Black



digital life

PADLOCK INCLUDED

VESA COMPLIANT
Max VESA: 800x400

Universal 32-85" Plasma/LCD Wall Mount

PLB102B

- For 32" - 85" Screen
- Max Weight 80kg
- Max VESA: 800x400
- Mounts 25mm from wall
- 0° - 5° Tilt Optional
- Security locking bar with padlock
- Black

VESA COMPLIANT
Max VESA: 800x400

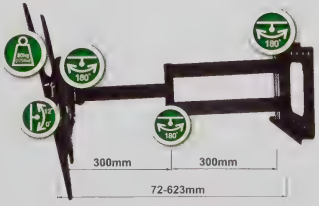
digital life

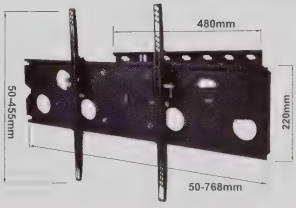
Heavy Duty Articulated Bracket for 32-85" Screens

DLPLB126B

Heavy duty double articulated Plasma/LCD/LED TV bracket supports screens up to 80kg. Suitable for screen sizes 32" to 85" Screens. Ideal for bringing the TV out from the wall and moving it to be viewed in another position. This bracket has adjustment in it to ensure correct horizontal alignment after installation.

- For 32" - 85" Screen
- Max Weight 80kg
- Max VESA: 600x400
- 0° to +12° tilt
- -180° to +180° swivel
- Distance from wall 73-623mm
- Black





TECH TIP

For more Brackets or information visit

Scan the barcode into your smartphone or visit : trademade.com.au

Infrared Kit Dual Band

DLIRKITDB

This infrared kit allows you to control your devices with your remote control, whilst having your equipment in either another room or in an enclosed cabinet. Simply plug and play, you can also extend extra targets and have multiple rooms controlling the equipment. See over the page for details information on how to wire and connect. A Kit Consists of:

1 x DLIRCB Connecting Block
2 x IRBLAST2 Dual Emitters
1 x IRMINI IR Receiver
1 x Power Supply

- Provides one IR receiver input and six IR emitter outputs.
- Designed to be surface mounted in multiple applications.
- Work with practically all brands of Audio/Video IR remote controls.
- Terminal block (for CAT5).
- Interface: 3.5mm mini plug.
- Cable length: 3 meters.
- Includes adhesive tape for IR mounting.

IR Wall Plate Receiver

DLCIRR

Simply a wall mounted target for pointing your remote at. Clean finish and hardwires to DLIRKITDB above.

IR Dual Band Receiver

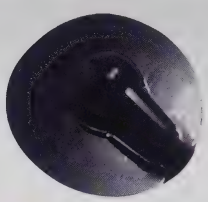
IRMINI

Only 30mm in width this tiny unit suits all environments, Receives IR signal from a handheld IR remote control.

Infrared Dual Emitters

IR-BLAST2

Dual IR emitters capable of transmitting signal to 2 devices at once. 1.5m long



IR Emitter Cover Caps

IRCOVERCAP

Covers IR emitters ensuring they are held securely in place.

TECH TIP

Hide your equipment

The Digital Life® Infrared Kit and other infrared products allow you to hide your source equipment and control it via infrared. In the case the equipment is stored in a TV unit, with doors closed allowing the user to operate the remote with the equipment hidden.

Not limited to just TV units these kits can be extended between rooms allowing up to 4 targets to be used in multiple areas.

For more information

Scan the barcode into your smartphone or visit : http://www.digitallife.net.au

TECH TIP

Put your source equipment in one room and watch it and control it in another.

Using the Digital Life TRADE MADE infrared kit (DLIRKITDB) we can put our sources in one room or in an enclosed TV cabinet and control them in another room using the remote to control it.

We have 4 parts to the Infrared Kit

1 x Power Supply
1 x Connecting Block
1 x Infrared Emitter (better known as the eye balls that receive the infrared signal)
1 x Infrared Target (we point our remote control at this)

As a kit this is basic plug and play. All connections are done using 3.5mm jacks and can plug directly into the connecting block. We will assume your equipment is in a TV cabinet and you've got the equipment covered so as you can't see it with the doors on the cabinet closed. The only thing you see is your TV and the TV cabinet. The rest is hidden. We simply connect the connecting block to the infrared emitter and the place the infrared emitter over the front of your source e.g DVD player. We have infrared cover caps made of plastic in the kit, that stick the emitter onto the front of your DVD player. We then take the Infrared target and peel off the double sided tape at the back of the target. We then tuck it neatly underneath or to the front sides of your TV facing your seating position and we stick to your TV. We then plug in the power supply, into the connecting block and we are ready to use it. Simply grab your DVD remote control and point it at the infrared target on your TV, you will see the target light up as it is receiving the signal from your remote. It should now be controlling your DVD player.

Figure 1.2

Source equipment in another room??

The same process can be done having your source equipment in another room. Simply extend the infrared target cable by plugging in 3.5mm extension cables for your desired distance. See our cables here. We leave the connecting block , power supply and infrared emitters all at the source end. You can now have the equipment away in another room and control it back at your TV.

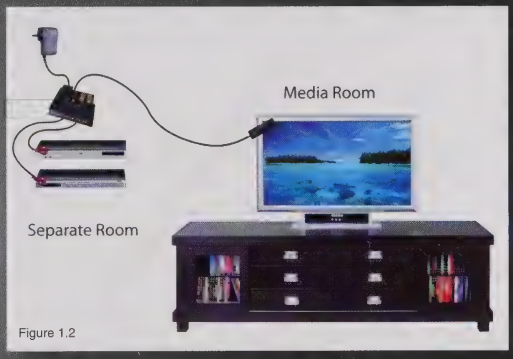


Figure 1.2

Multiple TV's? Wanting to control your equipment in multiple rooms up to 4?

This is very easy and no problem at all - Although we now expect you to have some ability to solder or scotch lock (join) some small copper cables. First you need to purchase extra infrared targets. We sell these separately. You then cut the 3.5mm jacks off the ends. Here we strip back the cable and connect the wires inside to a copper stranded 3 or 4 core type cable purchased anywhere from one of our stockists here. Many installers use cat5e cable, but ideally using a stranded copper cable produces better results. After joining the targets to your stranded cable, run the stranded cable back to your connecting block at the source. We connect them here to the connecting block using the screw terminals and not the 3.5m jack. Contact us for wiring/colour codes. There's 3 wires needed to join. Remember not to have any other infrared targets plugged directly into the connecting block via the 3.5mm jack if using this method, as it over rides the screw terminal connection and your targets won't work. Simply plug in your emitters and power supply as per usual.

Multiple sources?? E.g Pay Tv, DVD, Blu-Ray, Play station etc

This is no problem as the kit has 6 x 3.5mm jacks to accept up to 6 double infrared emitters. We sell these separately. This allows you to control up to 12 devices. Just purchase extra infrared emitters as required. Note if trying to control 2 Pay Tv boxes, they operate with the same remote therefore you will be controlling both at the same time, so this solution is not suitable for 2 devices with the same remote control codes.

Common problems with infrared control

Sunlight will affect your infrared targets- Direct sunlight can pose issues with the target seeing too much sun, try to position it out of direct sunlight e.g away from windows etc.. Sunlight can also pose a problem at your source end, so ensure no direct sunlight is shining onto your infrared emitters.

Too much infrared e.g Foxtel/Austar Pay TV set top boxes. These set top boxes are designed to work with the remote pointed at the back of them to eliminate user error, often they are receiving too much infrared. We can simply eliminate this problem by putting the infrared emitters to the side of the set top box or finding a position whereby the emitters work at their best, away from directly over the infrared window (front of the set top box). This problem can also be aspirated if your remote is pointing at both the target and the source at the same time. If this occurs you need to make sure the source is not seeing infrared at the same time as your target is receiving the signal.

1 IN 4 OUT Composite Video/Audio Distribution Amplifier

ZA3126

Amplifies Video and Audio to 4 points. Includes 12Vdc Power Supply

1 IN 4 OUT Component Video/Stereo Audio Distribution Amplfier

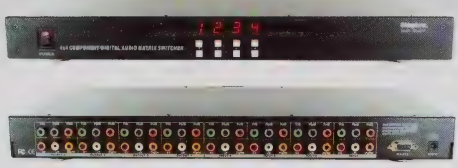
ZA3130

Accepts one input for distribution to 4 displays. Includes stereo Audio. Max distance 30m

TECH TIP

Pub's and Club's Solutions

High Definition Video & Digital Audio Distribution. Audio and Video (AV) Matrix Switchers are designed to simplify the task of routing audio / video inputs from one or more sources (e.g dvd, pc, set top box, to one or more displays. Matrix Switchers allow signals from a range of input sources to be distributed to various output devices, in essence creating a "matrix" pattern of interconnection possibilities. Viewing multiple sources on multiple screens.



SHINYBOW™
MULTIMEDIA AUDIO AND VISUAL

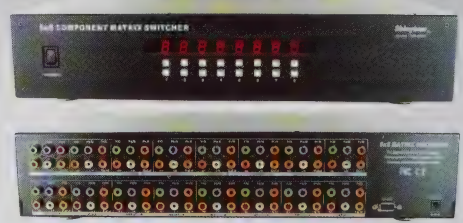
4x4 Component Video Stereo/Digital Audio Matrix Switch

ZA3442

Connects up to 4 component AV devices, with either stereo or digital coaxial audio and switches them to 4 component equipped displays.

Any input may be routed to any output via the front panel switches, IR remote control or RS-232 communication. Supports resolutions up to 1080p. Suitable for domestic or commercial use.

Includes power supply. Video bandwidth: 325MHz. 19" rack mountable (ears supplied).



SHINYBOW™
MULTIMEDIA AUDIO AND VISUAL

8x8 Component Video Stereo/Digital Audio Matrix Switch

ZA3448

Connects up to 8 component AV devices, with either stereo or digital coaxial audio and switches them to eight component equipped displays.

Any input may be routed to any output via the front panel switches, IR remote control or RS-232 communication. Supports resolutions up to 1080p. Suitable for domestic or commercial use.

Includes power supply. Video bandwidth: 325MHz. 19" rack mountable (ears supplied).

Figure 1.2

NRL-BV240 REAR

NRL-BV250 REAR

NRL-BV240 FRONT

NRL-BV250 FRONT

resi-linx

Component Video and digital/analogue Audio transmitter/receiver with IR control

NRL-BV240PACK

Allows the transmission of component video and digital/analogue audio signals to up to 4 TV's using Cat5e. For use with RL-BV250 Receiver

Connections - In/Out:	3 x RCA (2 sets) / 4 x RJ45 (2 Sets) / 1 x IR Emitter / 1 x Analogue Audio
Configuration:	1 : 4
Loop Through capability:	Yes
IR capability:	Yes

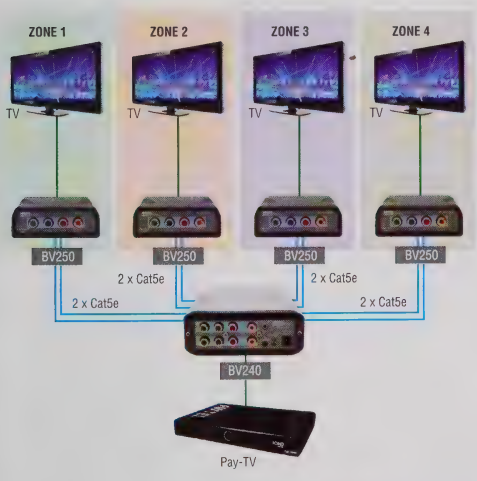


Figure 1.2

TECH TIP

See page 35 for Interconnects

NRL-BV2100 REAR

NRL-BV250 REAR

NRL-BV2100 FRONT

NRL-BV250 FRONT

resi-linx

Component Video and Audio 4x8 Matrix Switch with IR control

NRL-BV2100

Allows the transmission of 4 x component video and audio signals to up to 8 TV's using two Cat5e or Cat6 Cables.
Supports resolutions of 1080p/ 1080i/ 720p/ 576p/ 576i.
Discrete IR capable. Full control through RS232 commands.
Includes Switch Mode power supply, and remote control. For use with RL-BV260 Receiver /RL-BV500 IR Target

Connections - In/Out:	3 x RCA (4 sets) / 8 x RJ45 (2 sets) / 4 x Analogue Audio / 6 x IR Emitter
Configuration:	4:8
IR capability:	Yes

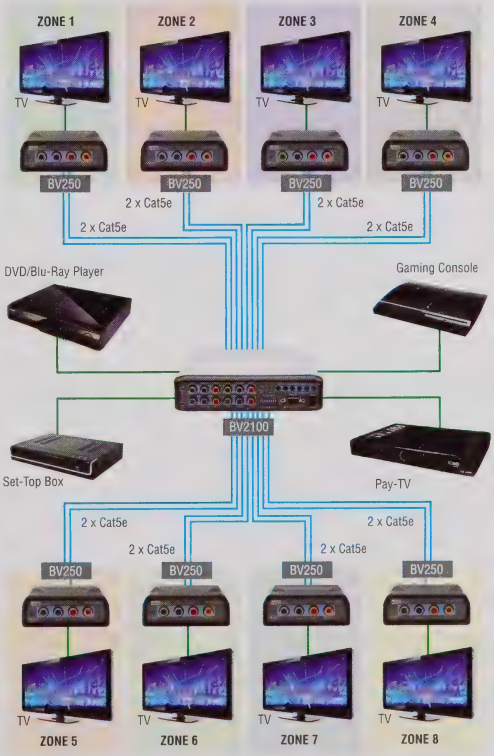


Figure 1.2

HDMI 4 Way Splitter

HDMID4

1 input HDMI signal can split to 4 HDMI signal sink devices simultaneously.
HDMI 1.4a protocol compliant
HDCP 1.2 protocol compliant
Full-HD 1080P/1600X1200UXGA
Capable for up to 2 times cascade without any transmission lost.

HDMI 8 Way Splitter

HDMID8

1 input HDMI signal can split to 8 HDMI signal sink devices simultaneously.
HDMI 1.4a protocol compliant
HDCP 1.2 protocol compliant
Full-HD 1080P/1600X1200UXGA
Capable for up to 2 times cascade without any transmission lost.

HDMI 4 Way Splitter Cat6

HDMISP4UTP

- Distributes 1 input HDMI signal to 4 outputs via Cat6
- Use single Cat5e/6 cable transmission distance up to 50m
- under 1080P@8-bit with 3D
- Supports Resolutions up to 1080p@60Hz
- Supports High Definition Audio: Dolby TrueHD, DTS-HD Master Audio
- Supports 30/36bit deep color display.
- Support 3D technology

HDMI over 1xCat6

A3217

Converts HDMI to 1 x Cat6 cable for 1080p transmissions. 50m for 1080p. Sender converts HDMI signal to CAT6 TMDS signal automatically. Includes 2 power supplies to be used at transmitting and receiving ends.

HDMI over 2xCat6 with IR

NA3217IR

Converts HDMI to 2 x Cat6 cables for 1080p transmissions with IR. 50m for 1080p. Sender converts HDMI signal to CAT6 TMDS signal automatically. Includes 2 power supplies to be used at transmitting and receiving ends.

HDMI Repeater

A3133

Maximize the performance of the current HDMI cable Repeater is capable of boosting signal up to 35m HDMI 1.3 compliant

HDMI 360° Adapter

HDMI360

360° Male to Female Adapter 1080p Suitable

TECH TIP

T568B Wiring Standard

View the webpage on how to terminate HDMI UTP Balun Kits using the T568B Wiring Standard

Scan the barcode into your smartphone or visit : **http://goo.gl/T6K6A**

TECH TIP

Digital Life® TRADE MADE HDMI Mini Matrix Switchers.

Many domestic homes and commercial environments now have multiple HDMI sources. Pay TV, Gaming Consoles, Blu-Ray players all output HDMI. Connecting these sources to multiple TV's or displays in matrix form, allows the user to watch each source independant across any display. IR discrete functions allow for programming with universal remotes making the transition a breeze. If you have a large installation contact us for system design.

HDMIM42 FRONT

HDMIM42 REAR

digital life

Blu-ray 3D

Mini HDMI 4x2 Matrix Switch

HDMIM42

- Switches 4 HDMI inputs to any 2 HDMI outputs
- Can be used as a 2 way splitter to show the same source on 2 displays simultaneously.
- Supports 30/36bit deep color display.
- High Definition Audio support: Dolby TrueHD, DTS-HD Master Audio
- Switch easily between multiple HDMI sources via remote control or via buttons on the unit
- Support resolutions up to 1080p.
- Support 3D video format
- Compact size

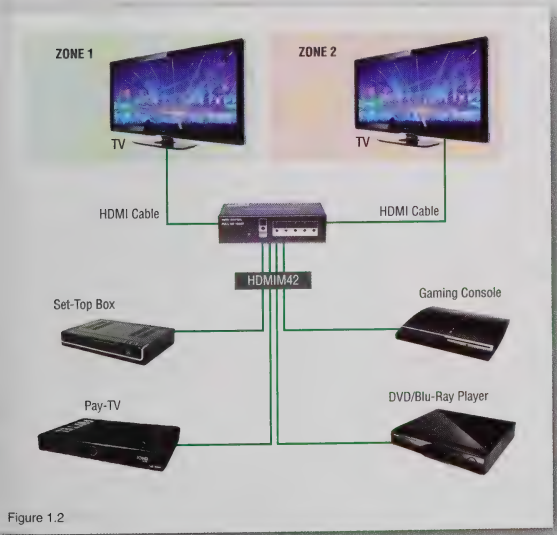


Figure 1.2

HDMIM44 FRONT

HDMIM44 REAR

4x IR TARGETS

2x IR EMITTERS

digital life

Blu-ray 3D

Mini HDMI 4x4 Matrix Switch

HDMIM44

- Swicth any 4 HDMI inputs to any 4 HDMI outputs.
- IR Discrete Remote Control
- Support resolution up to 1080p
- Supports 30/36bit deep color display.
- Mounting ears supplied to fix the unit to wall
- Intelligent EDID setting function.
- USB upgrading function.
- Support 3D video format
- Compact size
- Kit includes Power Supply, 4 IR Targets and 4 IR Emitters

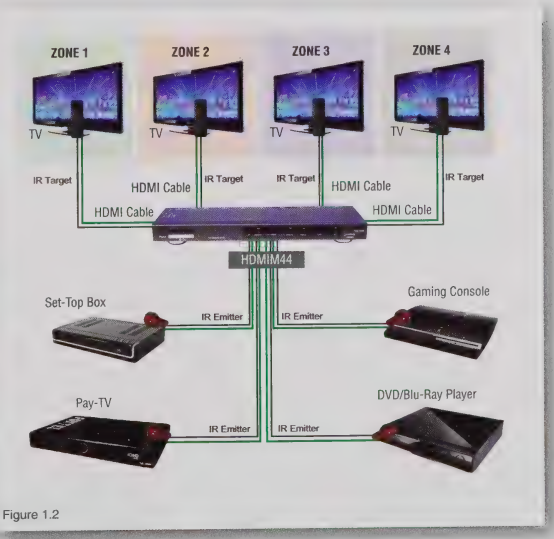


Figure 1.2

8 Source 8 Zone HDMI Matrix (with optional Enthernet)

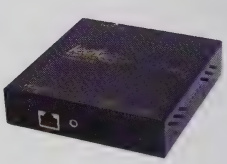
LTHDMI88 / LTHDMI88E (Ethernet)

This 8 source to 8 zone matrix switch is capable of distributing HDMI (3D, Video and Audio), RS232, IR and the option of Ethernet (on the LTHDMI88E). It has been designed for easy set up and control via front panel push buttons while being sophisticated enough to be integrated and controlled via any control system that can output RS232 commands.

Requiring a single Cat5e/Cat6 as the only cabling to the breakout points (LTB1 or LTB1E for internet) it is capable of distributing HDMI Video and Audio over distances of up to 100m for each zone.

System wide Directional IR pass through and Bi – Directional RS232 pass through is supported between the LTHDMI88 and LTB1 Breakouts or on the LTHDMI88E and LTB1E Ethernet option.

Video Output:	HDBaseT 480i / 480p / 576i / 576p / 720p / 1080i / 1080p(60), 3D
Video Input:	8 x HDMI
Audio Outputs:	8 x Stereo analog RCA Line Out (For localised amplification)
Audio Inputs:	HDMI 8 X SPDIF RCA
RS232 Control:	DB9 Female (Binary String) Bank Select Loop out connector
Sources:	8
Distribution:	8 Zone (Expandable to 128 Zones)
Standby:	Low
Dimensions:	Width 418mm (Rack Ears +66mm) Height 88mm (2RU), 102mm with feet Depth 290mm
Power:	12V 120W (Use Leaf Supply Only)
Consumption:	5A @12VDC
Ethernet: (LTHDMI88E Only)	100 Base T



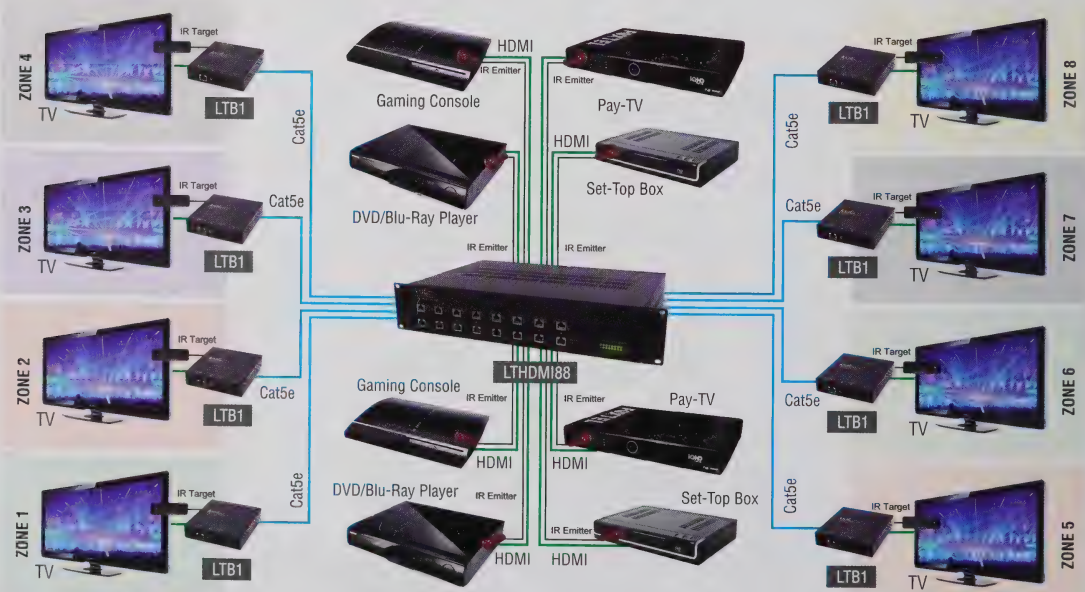
Active Break out points

LTB1 / LTB1E (Ethernet)

Complementing the LTHDMI88 or the LTHDMI88E for ethernet, this product features vertical mounting points for HDMI Audio Video, Active IR (Directional) and RS232.

8 Source 8 Zone HDMI Matrix with Ethernet

Figure 1.2



digital life

HDMI Modulator

HDMIMOD

For installations that require HDMI to be distributed acorss a large number of displays, using a HDMI modulator can be a cost effective solution. Below we show you how. Call us for more detailed designs. We're here to help.

This HDMI modulator is an all-in-one encoder, modulator and IP streamer for a single HDMI source. It allows a single HDMI source to be extended throughout a traditional coaxial network.

- LCN support (Logical Channel Number)
- Full high-definition encoding up to 1080p
- Excellent digital modulation quality: MER ≥ 42dB
- LCD display and buttons for on-site control
- Remote Access and PC Setup available via web interface over Ethernet

Example HDMI Modulation Multiple Outlet

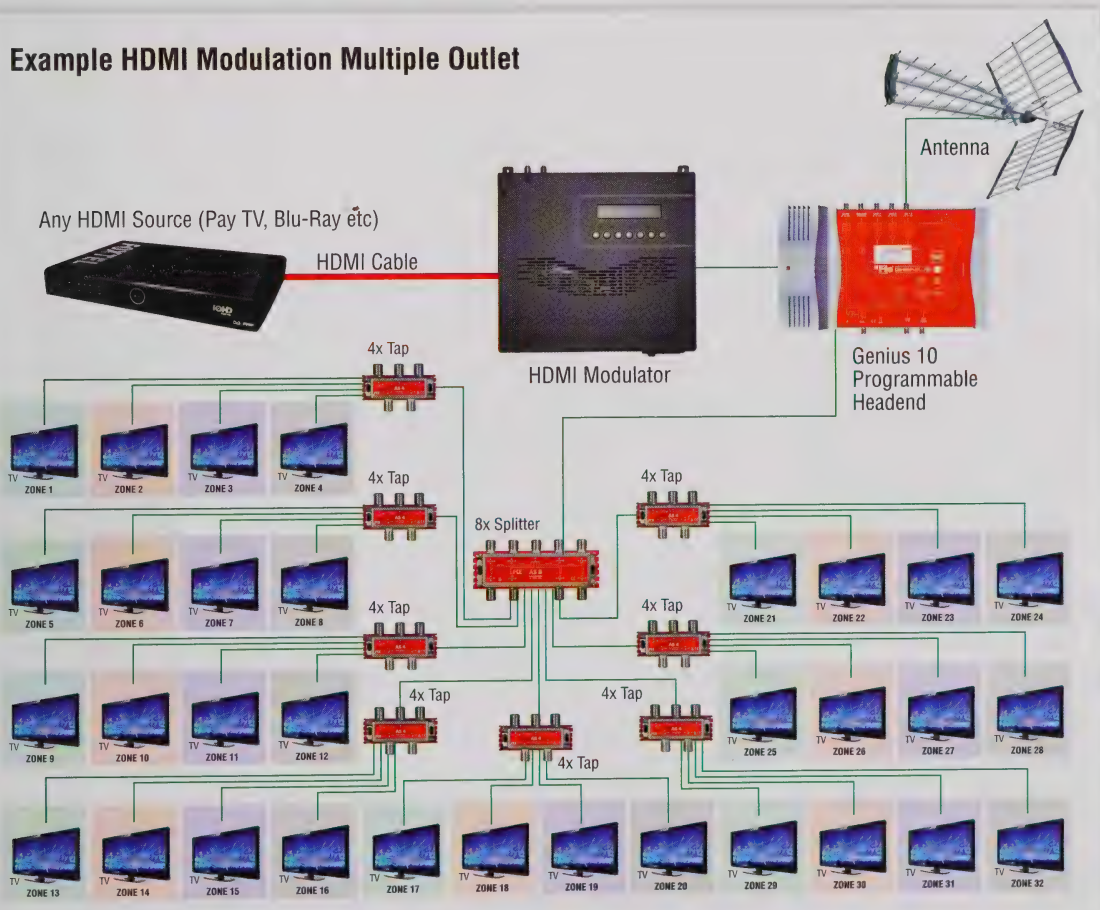
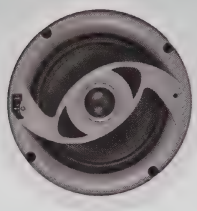


Figure 1.2

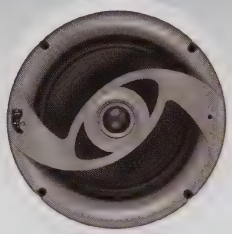
Founded in 1976 and known world wide for patents like the Thunder 100000, the largest subwoofer ever made at 60 inch's. MTX Audio brings you sound whilst matching aesthetics. Made for the discerning listener, MTX has a range to suit any budget and project. The style of custom recessed speakers allows for superior sound whilst matching your decor and surrounds. Made to be painted your colour of choice, this Amercian company has done it's best in providing you with speakers that will last a life time. All Speakers are backed by 10 year warranty. Choose MTX and tell your friends. You won't be disappointed.



6½" 2-Way In-Ceiling Recessed Speaker

CT625C

Woofer	6 1/2" Glass Fibre
Tweeter	25mm Cloth Pivots
Frequency Response +-3dB	50Hz-20kHz
Impedence	8Ω
Power (RMS)	60W
Peak Power	120W
Sensitivity @ 2.83v/1m	87.1dB
Mounting Depth	97mm
Cutout Size	191mm D
Includes Paintable Grills	



8" 2-Way In-Ceiling Recessed Speaker

CT825C

Woofer	8" Glass Fibre
Tweeter	25mm Cloth Pivots
Frequency Response +-3dB	47Hz-20kHz
Impedence	8Ω
Power (RMS)	80W
Peak Power	160W
Sensitivity @ 2.83v/1m	87.5dB
Mounting Depth	109mm
Cutout Size	239mm D
Includes Paintable Grills	

NEW

6½" 2-Way In-Wall Recessed Speaker

CT620W

Woofer	6 1/2" Glass Fibre
Tweeter	20mm Cloth Pivots
Frequency Response +-3dB	45Hz-20kHz
Impedence	8Ω
Power (RMS)	60W
Peak Power	120W
Sensitivity @ 2.83v/1m	85dB
Mounting Depth	78mm
Cutout Size	270x186mm
Includes Paintable Grills	

5¼" Left-Centre-Right In-Wall Recessed Speaker

CT2525LCR

Woofer	Dual 5 1/4" Glass Fiber
Tweeter	25mm Cloth Pivots
Frequency Response +-3dB	62Hz-20kHz
Impedence	8Ω
Power (RMS)	100W
Peak Power	200W
Sensitivity @ 2.83v/1m	89dB
Mounting Depth	80mm
Cutout Size	214x362mm
Includes Paintable Grills	

NEW

8" 2-Way In-Wall Recessed Speaker

CT825W

Woofer	8" Glass Fibre
Tweeter	25mm Cloth Pivots
Frequency Response +-3dB	45Hz-20kHz
Impedence	8Ω
Power (RMS)	80W
Peak Power	160W
Sensitivity @ 2.83v/1m	86dB
Mounting Depth	82mm
Cutout Size	322x186mm
Includes Paintable Grills	

Requires separate power amplifier. See page 60 for GX3

8" In-Wall Recessed Sub-Woofer

CT800SW

Woofer	8" Glass Fibre
Frequency Response +-3dB	38Hz-170kHz
Impedence	8Ω
Power (RMS)	100W
Peak Power	200W
Sensitivity @ 2.83v/1m	89dB
Mounting Depth	97mm
Cutout Size	322x206mm
Includes Paintable Grills	

TECH TIP

MTX Audio Residential Speakers

Scan the barcode into your smartphone or visit : goo.gl/KEh4c

NEW

MTX AUDIO MUSICA

6½" 2-Way In-Ceiling Recessed Speaker

M612C

Woofer	6 1/2" Poly
Tweeter	12mm Balanced Dome
Frequency Response +-3dB	63Hz-20kHz
Impedence	8Ω
Power (RMS)	50W
Peak Power	100W
Sensitivity @ 2.83v/1m	85.4dB
Mounting Depth	72mm
Cutout Size	192mm D
Includes Paintable Grills	

NEW

MTX AUDIO MUSICA

8" 2-Way In-Ceiling Recessed Speaker

M812C

Woofer	8" Poly
Tweeter	12mm Balanced Dome
Frequency Response +-3dB	35Hz-20kHz
Impedence	8Ω
Power (RMS)	65W
Peak Power	130W
Sensitivity @ 2.83v/1m	85.4dB
Mounting Depth	86mm
Cutout Size	236mm D
Includes Paintable Grills	

TECH TIP

MTX Audio Youtube channel

Scan the barcode into your smartphone or visit : http://goo.gl/jXIIP

NEW

MTX AUDIO MUSICA

5¼" 2-Way In-Wall Recessed Speaker

M512W

Woofer	5 1/4" Poly
Tweeter	12mm Balanced Dome
Frequency Response +-3dB	56Hz-20kHz
Impedence	8Ω
Power (RMS)	40W
Peak Power	80W
Sensitivity @ 2.83v/1m	85.8dB
Mounting Depth	62mm
Cutout Size	240x155mm
Includes Paintable Grills	

STEREO

MTX AUDIO MUSICA

6½" 2-Way In-Ceiling Recessed Speaker

M622C

Woofer	6 1/2" Glass Fibre
Tweeter	Dual 12mm Balanced Dome
Frequency Response +-3dB	51Hz-20kHz
Impedence	8Ω
Power (RMS)	50W
Peak Power	100W
Sensitivity @ 2.83v/1m	82.1dB
Mounting Depth	72mm
Cutout Size	192mm D
Includes Paintable Grills	

All Weather Speakers

MTX Audio's All Weather speakers are designed for, well, more than one purpose. They are optimized for use in home theater yet were engineered to handle extreme weather conditions indoors or out. Though they may suit many different needs, they achieve one goal - great sound.

MTX Audio's Multi-purpose speakers are designed with the elements in mind! The materials were selected to minimize the effects of damp conditions. Aluminum grilles, stainless-steel and solid brass hardware with rubber surrounds, and polypropylene woofer cones. Wet, dry, hot or cold weather - this speaker continues to perform.

4" 3-Way All Weather Speaker

M430AW-W

Woofer	4" Polypropylene Cone
Tweeter	18mm Piezo Dome
Frequency Response ±3dB	140Hz-20kHz
Impedence	8Ω
Power (RMS)	40W
Peak Power	80W
Sensitivity @ 2.83v/1m	88.7dB
Midrange	50mm Balanced Dome
Dimensions	241x181x159mm

5¼" 2-Way All Weather Speaker

M530AW-W

Woofer	5¼" Polypropylene Cone
Tweeter	18mm Piezo Dome
Frequency Response ±3dB	117Hz-20kHz
Impedence	8Ω
Power (RMS)	75W
Peak Power	150W
Sensitivity @ 2.83v/1m	91.4dB
Midrange	25mm Balanced Dome
Dimensions	241x181x159mm

SALT SPRAY TESTED

5" 2-Way All Weather Speaker

AW52-W

Woofer	5¼" Polypropylene
Tweeter	25mm Shielded Balanced Dome
Frequency Response ±3dB	85Hz-20kHz
Impedence	8Ω
Power (RMS)	100W
Peak Power	150W
Sensitivity @ 2.83v/1m	90 ± 2dB
Dimensions	255x172x147mm

6½" 2-Way Recessed All Weather Speaker

H620AW

Woofer	6½" Poly
Tweeter	12mm Piezo Dome
Frequency Response ±3dB	60Hz-20kHz
Impedence	8Ω
Power (RMS)	55W
Peak Power	110W
Sensitivity @ 2.83v/1m	87dB
Maximum Wall Thickness	31mm
Cutout Size	183mm D
Includes Paintable Grills	

6½" 2-Way Recessed All Weather Speaker

M612WRM

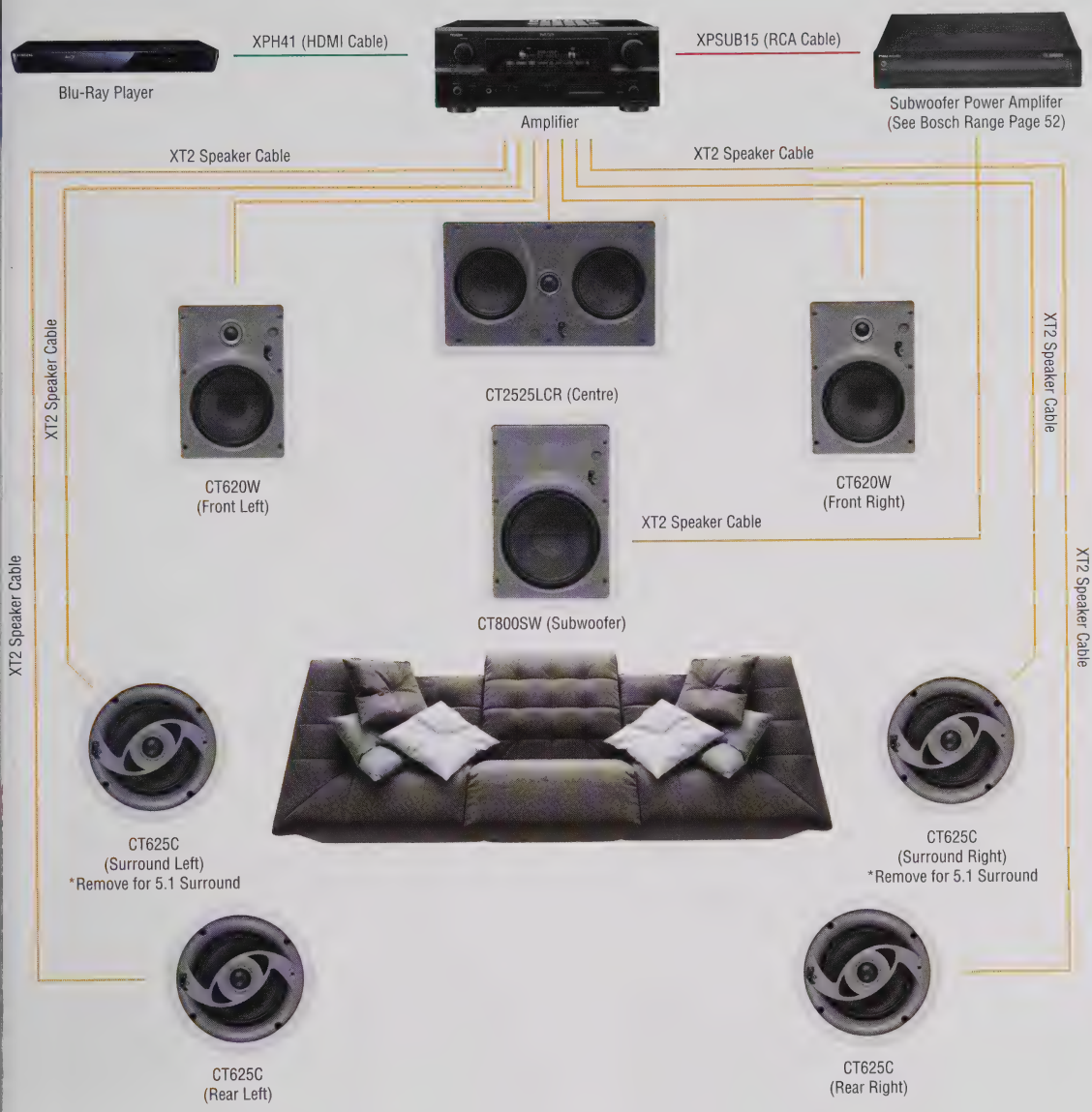
Woofer	6½" (Santoprene Surround)
Tweeter	12mm Polycarbonate Balanced Dome
Frequency Response ±3dB	60Hz-20kHz
Impedence	8Ω
Power (RMS)	35W
Peak Power	70W
Sensitivity @ 2.83v/1m	87dB
Maximum Wall Thickness	41mm
Cutout Size	183mm D
Includes Paintable Grills	

TECH TIP

MUSICA

Musica by MTX speaker are designed by MTX's talented team of engineers to sound great without breaking the bank. Add music anywhere in your home with improved off-axis performance, poly cones with rubber surrounds for added reliability, and simplified installation options. Stereo Inputs will play 2-channel stereo sound from a single speaker for locations where space is limited.

7.1 Surround Sound Diagram



This diagram details how to pre-wire a Home Theatre 7.1 Surround sound using recessed speakers. In this case we recommend MTX Audio from the USA for speakers. Using Digital Life® TRADE MADE XT2 double insulated 2 core oxygen Free 16AWG speaker cable. This diagram is on the assumption you have purchased a separate Home Theatre AV receiver (AVR) with integrated amplifier, common from most Hi-FI electronic shops. Brand names excluded, most AVR's will have 5.1 if not 6.1, 7.1 or larger right up to 9.2 - The .1 or .2 denotes how many subwoofers you have, the 5 or 6, 7 etc denotes how many speakers you have the ability to connect, without counting your subwoofers. You will always have front left and right, and rear left and right and a center speaker. If stepping down to 5.1 etc you can remove the speakers on the sides directly adjacent to the couch or sitting area, between front and rear.

The most important thing to consider for your Home Theatre, is the listener/viewer seating position. Ultimately you want the sound to meet your ears at the same time. All speakers should be positioned as such. If you're sitting down, then position the speakers at ear level or just above. Many homes choose to go for recessed in-ceiling speakers due to restraints in budget or aesthetics. Remember most recessed speakers can be painted to match your decour. This includes the grills.

Figure 14.1

BOSCH
Invented for life

"Invented for life" as much as the slogan says, this technology is built like a sherman tank. Built to last. Bosch just completed in 2010 full installation of Signapore's $6.5Bn Sentosa Resort. Including 105Kw of power over 1500 SqFt of Casino, Universal Studios, Hotel Complex and more. Thus providing full Public Address and background music all over IP.

Whether it be a cafe, school, club, shopping centre, airport or $6.5B resort, talk to us today about Bosch. At Adigitalife Distribution we offer full system system design and consultation, free quotations, and best of all, professional advice and service.

BOSCH
Invented for life

3yr Warranty

Mixer / Amplifier - 30W / 60W / 120W

PLE-1MA030 / PLE-1MA060 / PLE-1MA120

- 4 microphone/line inputs, plus 3 music source inputs
- 100V and telephone input with priority & VOX
- Announcement only output, 3-wire volume override
- Voice-activated emergency override

BOSCH
Invented for life

3yr Warranty

Mixer / Amplifier - 120W / 240W

PLE-2MA120 / PLE-2MA240

- 6 microphone/line inputs plus 3 music source inputs
- 100V, telephone and a call station input with priority & VOX
- 2 zones and announcement only output
- Voice-activated emergency override

BOSCH
Invented for life

3yr Warranty

Mixers

PLE-10M2

- 6 microphone/line inputs, plus 3 music source inputs
- 100 V, telephone and a call station input with priority & VOX
- 2 zones and 2-channel operation
- Voice-activated emergency override

BOSCH
Invented for life

3yr Warranty

Loop Amplifier for Hearing Impaired

PLN-1LA10

- High power, current driven amplifier
- Two microphone/line inputs, one priority input (100V)
- Selectable frequency range and tone controls
- Limiter and automatic gain control (AGC)

BOSCH
Invented for life

Loop Receiver

PLN-ILR

- Monitoring of an inductive loop system
- Quick check of field strength
- Neck cord included for use by assistive hearing device users without "T"setting.
- Earphones included

3yr Warranty

BOSCH Invented for life

3yr Warranty

Power Amplifier - 120W / 240W

PLE-1P120 / PLE-1P240

- Compact 120W and 240W power amplifier
- 1V line level balanced input 70V, 100V and 8Ω outputs
- 100V input for slave operation on 100V speaker line

BOSCH Invented for life

3yr Warranty

Power Amplifier - 480W

LBB 1938/20

- 480W power amplifier in a 3U high 19"housing
- 70V / 100V and 8Ω outputs
- Dual inputs with priority switching
- 100V input for slave operation on 100V speaker line

BOSCH Invented for life

3yr Warranty

Power Amplifier - 1000W

PLN-IP1000

- 1000W power amplifier in a 3U high 19"housing
- 70V / 100V and 8Ω outputs
- Dual inputs with priority switching
- 100V input for slave operation on 100V speaker line

BOSCH Invented for life

3yr Warranty

BGM Source / Paging System

PLN-2AI0120

- All-in-one solution for background music and paging
- DVD/CD-player for video and audio
- Supports MP3, JPEG, and multi-format video outputs
- FM/AM tuner with 10 presets and digital control
- 120W Amplifier

BOSCH Invented for life

3yr Warranty

BGM Source

PLE-SDT

- MP3 playback from SD card and USB inputs
- FM tuner with presets and digital control
- Simultaneous operation of SD / USB-player and FM tuner
- Separate outputs for digital source and FM tuner

BOSCH Invented for life

3yr Warranty

Message Manager

LBB 1965/00

- Highly flexible stand alone digital message player
- Up to 12 messages and 12 trigger inputs
- Downloads messages from a PC in WAV format
- Compliant with standards for emergency sound systems

BOSCH Invented for life

3yr Warranty

Feedback Suppressor

LBB 1968/00

- Patented feedback suppression algorithm
- Suppresses feedback before it occurs
- Automatically adapts to the acoustical situation
- Up to 12 dB additional gain before feedback occurs

BOSCH
Invented for life

3yr Warranty

Cabinet Speakers

LB1-UW06

Sound Pressure Level (1W / 1m) (dB)	99
Frequency Response (-10dB) (Hz)	180 - 20000
Rated Voltage	100V
Peak Power (W)	9
Size	5¼"
Dimensions (mm)	243h x 151w x 141/119d
Colour	Black or White

BOSCH
Invented for life

3yr Warranty

Outdoor Speakers

LB2-UC30

Sound Pressure Level (1W / 1m) (dB)	105
Frequency Response (-10dB) (Hz)	100 - 19000
Power Taps (100V)	3.75W, 7.5W, 15W, 30W
Peak Power (W)	45
Size	5"
Dimensions (mm)	250h x 160w x 140d
Colour	Black or White

3yr Warranty

BOSCH
Invented for life

6 Zone Call Station

PLE-1CS

The Plena Six-zone Call Station is a stylish, high-quality call station with a stable metal base design, a flexible microphone stem, and a unidirectional condenser microphone. It can make calls to selected zones (one to six and all-call) in a public address system. In addition to tabletop use, the special design enables the unit to be neatly flush-mounted in desktops.

3yr Warranty

BOSCH
Invented for life

Unidirectional Call Station

LBB 1950/10

Stylish tabletop unidirectional condenser microphone on a flexible stem Phantom powered by amplifier Momentary or toggle PTT-key for calls with priority contact Green LED, indicating microphone active.

3yr Warranty

BOSCH
Invented for life

Handheld Microphone

LBB 9099/10

Dynamic transducer Unidirectional handheld microphone High speech intelligibility Rugged construction

3yr Warranty

BOSCH
Invented for life

Omnidirectional Microphone

LBB 9080/00

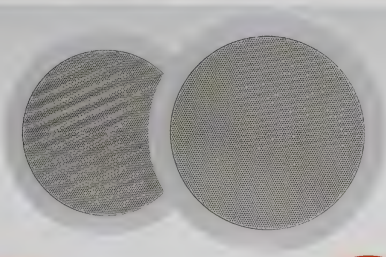
- Excellent speech reproduction
- Rugged construction
- Easy to handle
- Remote switching contact

TECH TIP

Microphones

Bosch Microphones are ideally suited to commercial installations such as shops, schools, factories or large buildings.

The range of microphones includes Push To Talk handheld microphones for single paging and desk top paging microphones that can page to selected zones. For larger multi-zone installation such as hospitals, airports or large commercial buildings the Bosch Praesideo range is the ultimate solution for Digital Paging system that comply with Voice Alarm Evacuation standards.



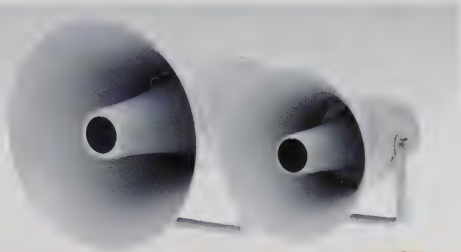
BOSCH Invented for life

3yr Warranty

5" 5W / 6.5" 10W / 8" 15W / 8" 30W Ceiling Loudspeaker

BCS-CS5E / BCS-CS6E / BCS-CS8E / BCS-CS830E

Sound Pressure Level (1W / 1m) (dB)	97 / 101 / 105 / 108
Frequency Response (-10dB) (Hz)	70 - 17K / 60 - 20K / 50 -17K / 50 - 17K
Power Taps (100V)	(Varied) 0.33W, 0.5W, 1W, 2.5W, 5W, 7.5W, 10W, 30W
Peak Power (W)	8W / 15W / 22W / 45W
Dimensions (mm)	202D x 90d / 220D x 115d / 273D x 103d / 273D x 115d
Colour	White (With Paintable Grills)



BOSCH Invented for life

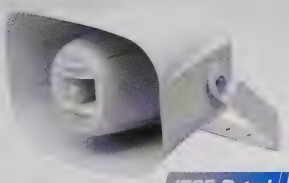
IP66 Rated

3yr Warranty

8" 10W / 10" 20W - Horn Speakers

BSC-HS10E / BSC-HS20E

Sound Pressure Level (1W / 1m) (dB)	119 / 124
Frequency Response (-10dB) (Hz)	300 - 13000 / 270 - 9000
Power Taps (100V)	(Varied) 1.25W, 2.5W, 5W, 7.5W, 10W, 15W, 20W
Peak Power (W)	10W / 20W
Colour	White



IP65 Rated

BOSCH Invented for life

3yr Warranty

Horn Speakers - 30W

LBC 3700/00

Sound Pressure Level (1W / 1m) (dB)	112
Frequency Response (-10dB) (Hz)	125 - 20000
Rated Voltage	100V
Peak Power (W)	45
Dimensions (mm)	260h x 442w 287d
Colour	Light Grey

FIRE RESISTANT

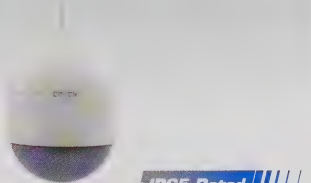
BOSCH Invented for life

3yr Warranty

Horn Speakers - 20W

LBC 3437/00

Sound Pressure Level (1W / 1m) (dB)	100
Frequency Response (-10dB) (Hz)	420 - 3500
Rated Voltage	100V
Peak Power (W)	22.5
Dimensions (mm)	170D x 271d
Colour	Natural Black



IP65 Rated

BOSCH Invented for life

3yr Warranty

Sound Projector - 30W

LS1-UC20E

Sound Pressure Level (1W / 1m) (dB)	86
Frequency Response (-10dB) (Hz)	80 - 20000
Rated Voltage	100V
Peak Power (W)	30
Dimensions (mm)	185D x 254d
Colour	White

IP65 Rated

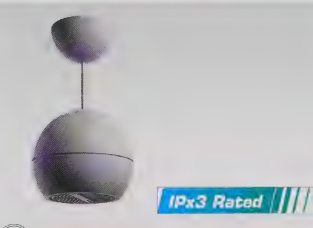
BOSCH Invented for life

3yr Warranty

Sound Projector - 30W

LP1-UC20E-1

Sound Pressure Level (1W / 1m) (dB)	87
Frequency Response (-10dB) (Hz)	75 - 20000
Power Taps (100V)	2.5W, 5W, 10W, 20W
Peak Power (W)	30
Dimensions (mm)	185D x 300d
Colour	White



IPx3 Rated

BOSCH Invented for life

3yr Warranty

Sound Projector - 15W

LBC-3095

Sound Pressure Level (1W / 1m) (dB)	89
Frequency Response (-10dB) (Hz)	130 - 20000
Rated Voltage	100V
Peak Power (W)	15
Dimensions (mm)	185D x 157d
Colour	Off-White

BOSCH Invented for life

3yr Warranty

Sound Projector - 30W

LBC 3432/02

Sound Pressure Level (1W / 1m) (dB)	92
Frequency Response (-10dB) (Hz)	150 - 20000
Rated Voltage	100V
Peak Power (W)	30
Dimensions (mm)	146D x 200d
Colour	Aluminium

Electrovoice (EV) are world leaders. We're proud to supply such an excellent product with such great value. Think FIFA World Cup 2010 Sth Africa Stadium - Think EV. Think Athens Olympics 2004 - Think EV. Think Parramatta Stadium 2008 - Think EV. Think EV for that professional choice in clubs, pubs, hotels, stadiums and more.

In this catalogue you will see an overview of " EV installed sound". We at Adigitalife Distribution can map out your sound levels and provide detailed specifications to help you complete that important project. No job too big or small as they say. Use the best, use Electrovoice (EV).

Twin 4" In-Wall Speakers

FM4.2

Sound Pressure Level (1W / 1m) (dB)	87
Frequency Response (-10dB) (Hz)	70 - 18000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	3.75W, 7.5W, 15W, 30W
Peak Power (W)	150 (with overload protection)
Dimensions (mm)	2 x 4"
Colour	350h x 189w x 96d White (with Paintable Grills)

Twin 6" In-Wall Speakers

FM6.2

Sound Pressure Level (1W / 1m) (dB)	90
Frequency Response (-10dB) (Hz)	60 - 20000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W, 60W
Peak Power (W)	150 (with overload protection)
Dimensions (mm)	2 x 6"
Colour	465h x 256w x 100d White (with Paintable Grills)

RE-2

Wireless Microphone Kit

RE-2 UHF Receiver / RE-2 Bodyback / RE-2 UHF Transmitter / RE-2 UHF Handheld

RE-2 UHF Receiver

- One touch Auto-ClearScan
- Programmable in 25kHz steps across 28 MHz operating bandwidth
- Backlit LCD displays the Group, Channel, Frequency, transmitter battery level, diversity operation, and RF and Audio signal level meters
- Balanced XLR audio output for Microphone or Line level signals and a 1/4 inch line level jack Fourth generation Secure-phase™ diversity and advanced audio circuits
- Unique "Guitar" setting
- Detachable 1/4 wave antennas

RE-2 UHF Transmitter

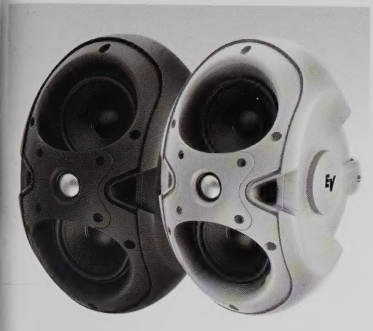
- Unique "smart" battery
- LCD Displays Group and Channel, Frequency, or Battery Level
- Low battery LED
- One On/Off button that also acts as a mute
- On/Off button can be disabled

RE-2 UHF Bodypack

- Cell phone style beltclip
- Optional pouches available
- A wide selection of lapel and headworn microphone accessories are available

RE-2 UHF Handheld

- Available with three different microphone elements
- N/DYM 267a Dynamic element
- RE 410 Condenser
- NDYM® 767a Dynamic premium vocal microphone with VOB™ (Vocal-Optimized-Bass)
- Internal 1/2 wave antenna

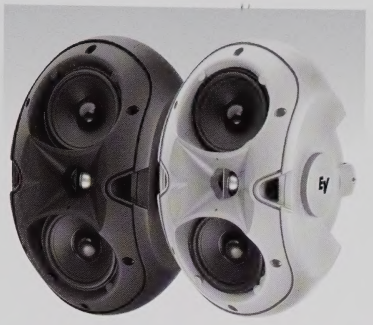


WEATHER RESISTANT

3½" Surface Mount Speakers

EVID 3.2

Sound Pressure Level (1W / 1m) (dB)	87
Frequency Response (-10dB) (Hz)	85 - 20000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	10W
Peak Power (W)	300
Dimensions (mm)	234h x 127w x 165d
Colour	Black or White



WEATHER RESISTANT

4" Surface Mount Speakers

EVID 4.2

Sound Pressure Level (1W / 1m) (dB)	89
Frequency Response (-10dB) (Hz)	65 - 20000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	7.5W, 15W, 30W
Peak Power (W)	400
Dimensions (mm)	310h x 175w x 216d
Colour	Black or White

WEATHER RESISTANT

6" Surface Mount Speakers

EVID 6.2

Sound Pressure Level (1W / 1m) (dB)	94
Frequency Response (-10dB) (Hz)	62 - 20000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W, 60W
Peak Power (W)	150
Dimensions (mm)	419h x 228w x 298d
Colour	Black or White

4" Ceiling Speakers

C4.2

Sound Pressure Level (1W / 1m) (dB)	85
Frequency Response (-10dB) (Hz)	70 - 20000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W
Peak Power (W)	50 (with overload protection)
Cutout Size (mm)	176 (6.9")
Colour	White (with Paintable Grills)

8" Ceiling Speakers

C8.2 / C8.2LP

Sound Pressure Level (1W / 1m) (dB)	89
Frequency Response (-10dB) (Hz)	60 - 18000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W
Peak Power (W)	150 (with overload protection)
Cutout Size (mm)	203.2 (8")
Colour	White (with Paintable Grills)

8" Ceiling Speakers

C8.2HC

Sound Pressure Level (1W / 1m) (dB)	91
Frequency Response (-10dB) (Hz)	60 - 18000
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W, 60W
Peak Power (W)	150 (with overload protection)
Cutout Size (mm)	203.2 (8")
Colour	White (with Paintable Grills)

10" Ceiling Sub-Woofer

C10.1

Sound Pressure Level (1W / 1m) (dB)	93
Frequency Response (-10dB) (Hz)	45 - 150
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W, 60W
Peak Power (W)	150 (with overload protection)
Cutout Size (mm)	254 (10")
Colour	White (with Paintable Grills)

From humble beginings in 1968, building power amplifiers in a garage in California. To supplying the likes of the Petronas Twin Towers in Kuala Lumpur with complete Audio Distribution.

QSC celebrated 40 years of business in 2008. Known in the industry as a world leader in power amplifiers they have spawned out to create some well built and excellent value products. You'll hear QSC amplifiers and speakers in most movie theatres across Australia and the rest of the world. Having made OEM products for Dolby in the 80's, you can be assured QSC will suit any professional, commercial or domestic experience.

3" Weatherproof Speakers

AD-S32T

Sound Pressure Level (1W / 1m) (dB)	85
Frequency Response (-10dB) (Hz)	65 - 20000
Configuration	2-Way Compact
Transducer Lo-freq	3" cone
Transducer Hi-freq	0.75" titanium dome
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	7.5W, 15W, 30W
Peak Power (W)	60
Dimensions (mm)	202h x 123w x 140d
Colour	White or Black

5¼" Weatherproof Speakers

AD-S52

Sound Pressure Level (1W / 1m) (dB)	87
Frequency Response (-10dB) (Hz)	60 - 20000
Configuration	2-Way Compact
Transducer Lo-freq	5¼" Shielded
Transducer Hi-freq	0.75" titanium dome
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	N/A
Peak Power (W)	120
Dimensions (mm)	286h x 178w x 212d
Colour	White or Black

8" Weatherproof Speakers

AD-S82

Sound Pressure Level (1W / 1m) (dB)	90
Frequency Response (-10dB) (Hz)	60 - 22000
Configuration	2-Way Compact
Transducer Lo-freq	8" cone, 2" voice coil
Transducer Hi-freq	1" compression driver
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	15W, 30W, 60W
Peak Power (W)	400
Dimensions (mm)	440h x 254w x 112d
Colour	White or Black

Dual 8" Weatherproof Speakers

AD-S282H

Sound Pressure Level (1W / 1m) (dB)	93
Frequency Response (-10dB) (Hz)	60 - 29500
Configuration	2-Way Compact
Transducer Lo-freq	Dual 8" cone, 2" voice coil
Transducer Hi-freq	1" compression driver
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	200W, 100W, 50W
Peak Power (W)	900
Dimensions (mm)	665h x 259w x 290d
Colour	White or Black

Dual 8" Weatherproof Sub

AD-S28TW

Sound Pressure Level (1W / 1m) (dB)	94
Frequency Response (-10dB) (Hz)	36 - 205
Configuration	Bandpass subwoofer
Transducer Lo-freq	Dual 8" cone
Nominal Impedence with Bypass	8Ω
Power Taps (100V)	200W, 100W, 50W
Peak Power (W)	500
Dimensions (mm)	404h x 251w x 603d
Colour	Textured Black

TECH TIP

Weatherproof Speakers

Each AcousticDesign loudspeaker's crossover and filter designs are optimized to provide the most accurate sound reproduction. The result is that all models exhibit a flat and smooth frequency response that easy to incorporate into any system design.

The AcousticDesign Series was designed for professional and architectural installations where the loudspeakers need to blend and complement the décor. The complete series maintains a consistent aesthetic appearance.

iPod FRIENDLY

QSC

8" Powered Speaker

K8

Sound Pressure Level (1W / 1m) (dB)	127
Frequency Response (-10dB) (Hz)	61 - 20000
Configuration	Trapezoidal 2-way
Transducer Lo-freq	8" cone
Transducer Hi-freq	1.75" diaphragm compression
Peak Power (W)	2000W
Dimensions (mm)	450h x 280w x 269d
Colour	Black

TECH TIP

QSC

1000 Watts

- Lightweight portable powered speakers with legendary QSC amplifier power and reliability
- 1000 watt continuous Class D power module
- Extensive DSP enhances system performance
- Attractive and professional appearance
- Rugged birch plywood enclosure
- Tour-grade 18 gauge steel grilles
- Comfortable ergonomic handles

The K Series fullrange models feature a unique Tilt-Direct™ pole cup mounting system. A simple turn of the dial engages a 7.5° downward tilt of the speaker allowing acoustic energy to be kept on the audience and off reflective surfaces.

iPod FRIENDLY

QSC

10" Powered Speaker

K10

Sound Pressure Level (1W / 1m) (dB)	129
Frequency Response (-10dB) (Hz)	56 - 20000
Configuration	Multipurpose 2-way
Transducer Lo-freq	10" cone
Transducer Hi-freq	1.75" diaphragm compression
Peak Power (W)	2000W
Dimensions (mm)	519h x 320w x 300d
Colour	Black

iPod FRIENDLY

QSC

12" Powered Speaker

K12

Sound Pressure Level (1W / 1m) (dB)	131
Frequency Response (-10dB) (Hz)	48 - 20000
Configuration	Multipurpose 2-way
Transducer Lo-freq	12" cone
Transducer Hi-freq	1.75" diaphragm compression
Peak Power (W)	2000W
Dimensions (mm)	603h x 356w x 356d
Colour	Black

QSC

12" Powered Subwoofer

KSUB

Sound Pressure Level (1W / 1m) (dB)	130
Frequency Response (-10dB) (Hz)	44- 148
Configuration	4th Order Bandpass
Transducer Lo-freq	2 x 12" cone
Peak Power (W)	2000W
Dimensions (mm)	665h x 356w x 714d
Colour	Black

QSC

Amplifier 300W / 500W

GX3 / GX5

- 8Ω speakers 300W or 500W Both Channels Driven
- Optimized for maximum real-world headroom into 4Ω & 8Ω speaker systems
- Inputs: XLR, 1/4" TRS and phono input connectors for compatibility with any source
- Outputs: Speakon® combo accepts, 1/4" (TS) plugs or Speakon 2-pole and 4-pole plugs (connects 2 poles only). Binding posts support all other speaker wiring systems.
- Detented gain controls for precise setting and matching of sensitivity
- GuardRail™ automatically protects the amplifier and loudspeakers from damage due to temperature rise or overdrive without shutting down the show

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